

HUNTING ^{and} FISHING

MAY
1939

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Clinton E.
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1939

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ONLY Heddon Baits Have This additional "STRIKE-PROVOKING" Quality!

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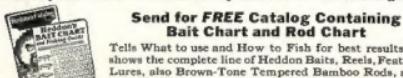
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No. 975 Large Size for Bass, Crappies, etc.
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Length 1 1/2 in. No. 1 Hook.
Each, 60¢

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Four-door sedan delivered at factory with standard equipment for only \$840. White sidewall tires, rear wheel-shields.*

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Nine out of ten sportsmen said they want these only car in their car fleet this year. Nash is the only car that lets them all.

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**Now you can live in your car... enjoy
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A new kind of automobile is ready to take you to the sportsman's seventh heaven... to fishing, hunting, camping—anywhere!

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Not even weather can spoil your fun—let it rain or grow chilly. You just twirl the "Weather Eye"** dial and in pours fresh-filtered air warm as noonday sun.

A new Nash-LaFayette engine development betters 1938 gas economy by 10%, gives you terrific getaway—amazing

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You bet it's a big car... 3285 pounds of leaping steel... but it handles as easily as a trout rod. It has the smoothest, quietest ride you've ever experienced.

At night your Nash is your cabin, with the big comfortable Convertible Bed.

And after three weeks of hard driving, when you both roll home in the pink of condition—you'll know you've had a good car under you.

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Photo courtesy U. S. Forest Service

FOREST FIRE

The curse of wildlife

By

James G. K. McClure, President
THE AMERICAN FORESTRY ASSOCIATION

OF ALL our natural resources, wildlife has the greatest human appeal. It transcends, but in no way eclipses, our love of trees and forests. In the minds of many, forests and wildlife are inseparable, and to a considerable extent this is true. Without the protection of forest cover many animals would have no place of refuge, and all sportsmen know the close relationship of forests to the sport of fishing.

However, they have common enemies. Chief of these is fire. This devastating scourge destroys the homes and feeding places of many animals and birds. To a shocking extent one finds their charred bodies and ruined nests in the wake of fire. Fishing streams are polluted and their sources dried.

Realizing this, sportsmen are increasingly aware that the spring fishing season ushers in a major conservation problem—the prevention and control of forest fires. Each year fields and forests in every part of the country are ravished by fires that cause timber and property losses running into millions of dollars. Greater still are the intangible and indirect losses resulting from subsequent erosion and floods, destruction of wildlife and natural beauty, dislocation of industry, summer recreation and local tax income.

In spirit and substance, forest fires strike at the foundation of conservation in its every field—soil, water, wildlife, outdoor recreation, public and private forests and parks.

Millions of dollars of public funds have been spent during recent years in conservation works. These investments may be wiped out almost overnight by the 140,000 fires that annually spread flames and smoke from Florida to Alaska.

From the beginning of forest conservation in this country, The American Forestry Association has held fire prevention to be the backlog of conservation progress. It is the major objective of its educational work. By every means at its disposal, it has sought to develop a public sentiment that will deal with fire in fields and forests as an epidemic of disease is dealt with by enlightened communities. The Association has sponsored and crusaded for fire prevention laws and for

state and federal appropriations adequate to the task of dealing with the problem. There can be no lasting conservation, the Association holds, until the fire problem is solved.

With the cooperation of individuals and organizations interested in hunting and fishing, The American Forestry Association and its associates worked for the passage of the Weeks Act of March 1, 1911, the aims of which were broadened and strengthened in the Clarke-McNary Act of June 7, 1924. Recognizing that the public is responsible for causing the majority of forest fires through carelessness and ignorance, the Acts establish the principle that the states and Federal Government should bear a part of the cost of protecting both public and private forest property against fire. Today, forty-two states are legally authorized to carry on forestry activities and are receiving allotments under the Clarke-McNary Act. Over 250,000,000 acres are under protection, and the states and private timberland owners are appropriating nearly \$7,000,000 with which to match a federal appropriation of \$2,000,000.

No estimates are available as to the wildlife values destroyed annually by forest fires, but that they add materially to the annual forest loss of some \$45,000,000 there is no doubt. More adequate protection now contemplated in an effort to increase the federal appropriation to \$9,000,000 would materially reduce the losses to wildlife, as well as those to the growing forest.

In this The American Forestry Association invites the co-operation of all hunters and fishermen. Efforts are now underway to secure approval by the Bureau of the Budget for an increase in next year's Clarke-McNary appropriation of \$500,000—to reach the full authorization of \$2,500,000. Senator McNary of Oregon and Representative Dooley of Mississippi have each introduced bills (S. 226 and H. R. 300) to increase the authorization for annual appropriations from \$2,500,000 to \$9,000,000, that all of the 440,000,000 acres of private and state owned timber may be protected against fire.

That this may be accomplished it is hoped that all who are interested in forests and wildlife will give their united support.



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YOUR LETTERS

PARENTS, PLEASE NOTE

Editor, Hunting & Fishing:—I have been interested in conservation for some considerable time, and have been rather actively connected with Conservation organizations. For many years I have felt that one field in particular was being neglected. Owing to the changed conditions of our lives, too few of the boys in this country are having the opportunities that you and I have had of going afield with our fathers. This, I presume is due in a great measure to the loss of outdoor recreational facilities, yet, in my experience we cannot afford to allow that sort of influence to be lost.

With this in mind, I have been getting out of many routine duties as possible, in the hope that I might be able to do a little more work along the line of educating the fathers of the country into the necessity and importance of spending some time with the boys, because of the good influence it would have on their lives.

I have had a great deal of experience with boys, and I know of no way that they can be reached and held to as great an extent as they can through just this sort of an influence.—*Judge George W. Wood, Waterloo, Iowa.*

HUNTING & FISHING agrees 100% with Reader Judge Wood. A keen active interest in outdoor recreations such as fishing, hunting, camping, field trials plus competitive shooting with rifle, pistol and shotgun all combine to constitute training which leads directly to health, democracy and a thorough understanding of the word, "sportsmanship." Other readers are invited to write us regarding their experiences in taking the younger generation afield.—*Editor.*

NOTE FROM INDIANA

Editor, Hunting & Fishing:—I have read the article on Indiana rabbits in the March issue of HUNTING & FISHING, and I think L. B.'s suggestion is a very good one.

Five rabbits in any one day should supply even the largest family with enough meat and some to spare. To help preserve rabbits in Indiana for the future, I suggest a no closed season on all game hogs and poachers.—*J. S. D., South Bend, Indiana.*

HUNTING & FISHING heartily endorses the "no closed season on all game hogs and poachers." Any more reactions from Indianaans on the five-rabbits-per-day limit?—*Editor.*

(More letters on page 45)



"A mighty good sign, Son ...your liking Union Leader!"

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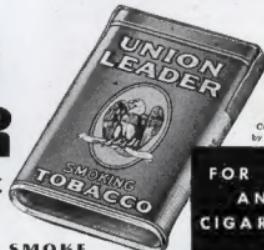
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PRIZE SPORTING PHOTOS



Above: "Take me, Boss?" First prize winner (\$10) taken by Stephen F. Harris, Dover, Mass. Setting of 1/50 at f 8.

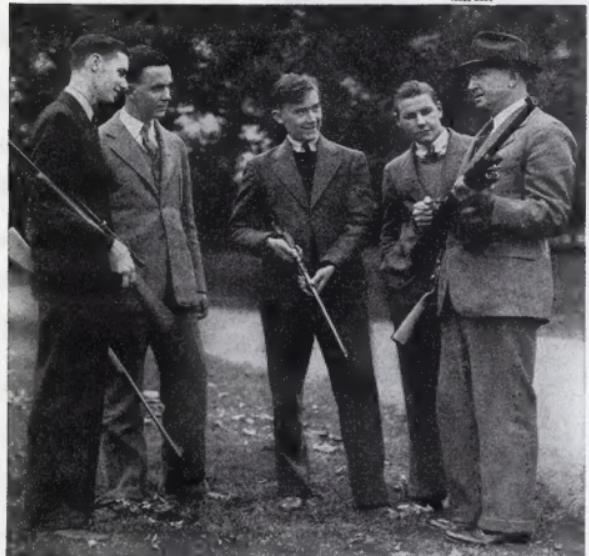


Right: Pipe of Peace. Third prize winner (\$3) taken by Byron Cottrell, Galetton, Pa. Setting of 1/25 at f 16.

Below: Trout at Dawn. Second prize winner (\$5) taken by Roger A. Winters, East Orange, N. J. Setting of 1/100 at f 8.



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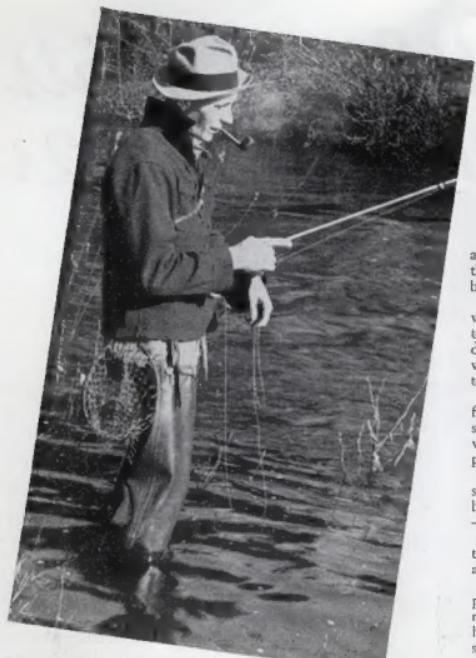
Take this easy, sure way to get new enjoyment and success in your shooting. Buy a supply of Winchester Leader .22s today.

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FLASH! In the greatest American indoor rifle tournament on record — the 11th Annual Connecticut Gallery Matches, March 3, 4, 5, with 1182 contestants — shooters using Winchester Leader Cartridges won all six team championships and three of the six individual championships, including the highest — a meet record.



THE PERFECT TRIBUTE



Each spring, when the smell of running water was in the air...

THE LATE AFTERNOON sun thrust dusty fingers through the windows of the Old Trout Fishermen's Club and spread a listless warmth over three comfortable anglers in three comfortable chairs. Charlie Calkins and President Jim Smith talked quietly while old Matt Pringle dozed in the other chair. The conversation had turned from trout fishing to trout eating.

"They's only one way," pronounced Charlie. "Ketch him, gut him, and drag the hull, trout, head, tail and all, into a skillet half full hot bacon grease."

"No," Jim disagreed. "I'll have my fish rolled in egg and cracker-meal and fried slow."

"Well, boys," came a young and cheerful voice from the doorway, "you had better catch those trout first before you eat them."

"Howdy, Doc," said Charlie as Doctor Fred Scott crossed the room and pulled up a chair. "I heerd you bin off upcountry fer a spell."

"Yes," said the young doctor, "Dad and I just got back from Crossforks. We had a wonderful trip. The trout on the Kettle were hitting anything in the book. I had no trouble taking my limit in good trout for three days handrunning."

"Doc," said Jim smilingly, "I'll have to drop over to your house for a trout supper tonight."

"Wouldn't do you any good, Jim," Doctor Fred replied. "Every one of those trout are back in the creek."

Matt Pringle blinked sleepily and said, "Shucks, Jim, ain't ye never heerd the story as how Doc Fred never kills a fish?"

"That so?" asked Jim. "How come, Doc?"

"Well, it's quite a yarn," said the young man. "It began eighteen years ago." He filled his pipe and settled back in his chair before he continued:

I was only ten years old when Dad first took me up to Fiddler's Farthing. We boarded a dusty day-coach at Hemlock Junction, and the queer little locomotive breathed rustily along the bank of the river farther and farther up into the mountain country. From one side of the coach I watched the broad Allegheny slide quietly through green eddies and break into long white riffles

against the heads of islands. Outside the opposite windows of the coach the Heart's Desire Range swelled smoothly up into the blue.

Hours later, when the old conductor squinted through the window and yanked the signal rope, the ancient train wheezed to a stop along the river bank where a high square rock projected out into the water. Dad took the oars of a battered john-boat which had been anchored to a ring in the stone and pulled across to the village of Fiddler's Farthing.

It was a pleasant little town, sprawled like some lazy bait-fisherman under the maple trees beside a slow eddy. As we strolled along the town's single street, Dad said to me, "Son, we're going to drop in on an old friend of mine. He has a surprise for you."

I coaxed and pleaded to know what it was, but Dad remained smilingly silent until we stopped in front of a little weather-beaten workshop. There was a faded sign on the front window—*Isaac Unger—Rod Maker*.

A bell tinkled with a sprightly musical sound when we opened the door. The shop was dim and cool, fragrant with wooddust and the keen smell of varnish.

"Ja, ja! Chooost a minute." The gutteral voice came from a partition set across one corner of the shop. Then Isaac Unger rolled out from behind his workshop, shaking wood-shavings from his huge apron and peering uncertainly through thick, dusty spectacles.

"Ach, Georch!" He clasped Dad's outstretched hand. "Undt dis is your boy, ja? Gif Isaac your handt, son. Friends we will be, I betcha." His fat face was wreathed in smiles, and his broad gray beard wagged up and down with the heartiness of his greeting. "Come, come, back ve go into der house. Ve vill sit. Ve vill talk."

Isaac trotted back through the shop, hung his apron on a nail, and led us into a clean sunlit room.

"Georch," he said as he settled into a creaking chair, "gladt I am dor der two of you haft come. You scatty a while, ja? It gif's pig's knuckles fer supper tonight." He smiled at me. "Georch, dat is a good boy. He vill make a good man, ja? Undt a fine schportsman, I betcha. Mine son, what vould you like to do tomorrow?"

"Go fishing," I said shyly.

"Ach, a chip from der old plock, Georch. I tink now comes der surprise, ja?"

Old Isaac trundled over to a rod cabinet in the corner of the room and ceremonially presented to me a little fly-rod that left me breathless and flushed with happiness . . . It was a beautiful piece of Tonkin cane, seven feet in length, with a slim grip that just fitted my ten-year old hand. We went out into the back yard where Isaac nodded approvingly at my casting. Dad was enthusiastic. He put his hand on my shoulder and said, "This is a rod you must live up to, son."

"Mine boy," said the old rod-maker "I vant you shouldnt schtandt der most importung ting auptur your rodt. Chooost look here."

His stubby finger pointed to an extra silk wrapping which formed a thin red line around the butt section. Under the clear smooth varnish was the number "10" delicately traced.

"Chooost ten inches it is," said Isaac, "derm der schtripping guide to dtis wrappin. I vant you shouldnt never kill a trout schmaller. Der law says six inches, putt what is a six-inch trout. Nottings putt a minnow. Mine boy, ve vill make ten inches our limit, ja?"

"Yes," I said. "Anyway, Dad has taught me not to keep small fish."

"Dot is goodt. Der is vun more ting." He held up three fingers. "Tree sections der rodt has, ja? I vant you shouldnt never kill more dan tree trout at vun time. Tree goodt trout are all

Here's a fishing yarn with a different twist. The author has reached into the subject of fishing and hit upon several factors that make the sport one of the most fascinating of the many outdoor activities.

By

RICHARD ESLER

dot a man shoult eat. Rememper, mine son, dot a real schportsman is like a fine rod. He must have packpone enough to gif as much as he takes. Gooldt fishing is as much paddung pack as it is taking out."

That evening I sat open-mouthed when Dad and Isaac began calling up old memories, spinning yarns of golden days astream, about the big browns of the Brokengrass, the rainbows of Spring Creek, and the natives that grow sleek and husky in the tangled upper reaches of the Big Kettle.

All of these stories had the same ending; invariably the fish were returned to the stream. That part of each yarn was always emphasized. Isaac would say, "Himmel, choost tink of it—four pounds of prawn trout schtill schwimming in der Little Pine. Maype you will meet dot gentleman some day, mine moy." Or Dad would say, "So I slipped the hook, and the rainbow rolled back into the current. He's still there in Pihih Creek waiting for you, son." Young as I was, I think I understood.

After that first memorable visit with Isaac, Dad and I made pilgrimages to Fiddler's Farthing two or three times a season. Each spring, when the smell of running water was in the air, the three of us packed up into the Heart's Desires for Opening Day. Old Isaac's streamcraft was as fine and finished as his handicraft. Year after year he and Dad labored patiently with my angling education, never losing an opportunity to school me in the ways of trout and men. I remember when Isaac once hooked a big brown on Scrubstraw Creek.

"Vatch der rod, Fredi," he said. The tip dove down as the trout surged towards the tail of the pool where an uprooted tree lay half in the water. When Isaac turned the big fish, the rod bent double, then swept suddenly upright. The trout raced back up the current, and the rod followed, undulating with a steady, relentless pressure. I netted the fish for Isaac who lifted it by the gills and said:

"Tree pounds, maype, ja?" He laid the trout in the water, slipped the streamer from its heavy jaw, and watched it slant off into the depth. Then he handed me the rod.

"Didt you keep der eyes on der rod, mine moy? Dot was a goold fight, ja? Mine rod von der patte py gifing undt taking, like a gooldt schportsman. Some rods are like pad schportsmen. Under a schtrain dey do not schtand up. Cross-grainedit dey are, undt weak in schports. Den dey go—schnap—undt der gooldt wort is lost."

My growing-up years were full of wonderful and fruitful days astream with Dad and Isaac. I came to worship the old rod-maker. He was like one of his own products, straight and finely balanced, strong and as near perfect in detail as he could possibly be made.

Late one autumn, on my twenty-first birthday, Dad and I went up-country by train, as usual, and rowed across the river in the john-boat. We were walking along the village street when Dad stopped in front of the general store.

"Son, I'm going to stop in here and say hello to Eb Werner. I need some tobacco anyhow."

"Okay," I replied. "I'll go on up to Isaac's. I believe I can see him in front of the shop."

The old rod-maker blinked and peered hesitantly through his thick glasses as I drew near. He seemed not to recognize me until I was quite close.

"Ach, mine moy," he said heartily. "Gooldt it is to see you. But"—I detected a shadow of fear in his voice and face—"where is your papa?"

"Oh, he'll be along in a minute," I said. "He stopped at Werner's."

"Gooldt, gooldt! Tree monts it has been since you undt he was upriver. For a moment I was afraid—Ve grow oldt, he

undt 1."

Isaac was standing in a patch of light where the late afternoon sun struck through a big maple tree in front of the shop, and for the first time since I had known him, I saw him as an aging man. The wide beard that swept his chest was nearly white now. And his eyes seemed misted with the uncertainty of age. His step was slower, too, as he led me back through the shop.

Otherwise, he was the same merry, lovable Isaac. When Dad came in and greeted him he said,

"Now ve are togedder again, ve tree. Son, you rememper der surprise ten—ja—eleven years ago, when first you come up?"

"Remember?" I replied. "I'll never forget it."

"Gooldt. Comes tonight anudder surprise."

That evening, the three of us, full of sour rabbit, fried noodles, and home-brewed lager, relaxed in perfect contentment around the chimney fire. We had talked quietly for a while when Isaac arose and announced,

"Time it is for der birthday present."

A drawer in his rod-cabinet produced five fly-books which he presented to me with a ceremonious gesture.

"Mine son," he said, "in dose poeks are all der flies I haf used in mine lifetime. I gif dem to you because I know you will use dem like a gooldt schportsman."

I was opening the fly-books when Dad spoke up, "But Isaac, these are *all* your flies, hundreds of them. What are you going to fish with next spring?"

The old rod-maker sat down heavily, stared into the fire for a moment and then looked up with a smile.

"Friends, mine fishing days are ofer," he said. "Vait." He held up both hands to stop the anxious and astonished queries which were forming on our lips. "I'll tell, I do not see so gooldt any more. You notice dot, ja? Mine eyes, pack on me dey haf gone. Efen der glasses make dem no petter. Nein, nein, I am not plind like der owl. I see enough to work at mine

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The trout were hitting anything in the book



Brutus was a magnificent specimen with a look that was very human.

PLAYFUL BRUTUS

A most unusual story of a most unusual dog

By

Dave A. Parker

PURE ADMIRATION was in John's eyes as he watched the splendor of the dog holding a quivering picture-point; the fourth in ten minutes. He stepped forward and there was that startling-sweet "*bur-r-r-r*" of a quail covey flushing to wing. Bang! Bang! And one of the birds crumpled in flight, slowly, lazily, and settled to the ground amidst a puff of feathers. "I've seen enough," John said shortly to the negro in faded blue overalls and dirty work shirt. "Tie him up."

Mose, the darkey, called sharply. "Good boy, suh," Mose said, patting Brutus on the head. "Good ole Brutus. Yas suh."

Brutus was a magnificent specimen. Big, full-chested, with powerful legs, he looked all dog. But something besides his physical qualities definitely set Brutus apart. All dogs have their own peculiar facial expressions, but Brutus was unusual in that he was amused-looking. Not funny—amused. So striking and unusual was this expression that all commented on it sooner or later. It was very human; that look.

"How much did you say you wanted for him?" John asked the negro.

Mose scratched his head and eyed Brutus dubiously. "Wal, I dint zackly say, Mis John, but I se guine tak twenty-five dollar for ole Brutus."

"Sold!" John said quickly.

The negro and John turned then and started off across the fields, Brutus trotting along on his leash none too docilely. Once

he looked at Mose so appealingly that John burst out, "Darn if I don't believe that dog has a sense of humor!"

And he was right!

It was a heart-warming sight, the way Brutus worked that first Saturday. In fifteen minutes, he found two coveys and stood five singles. And the fields were dry and birds hard to find. "Didn't I tell you he was the best dog in Saxon County?" John boasted proudly to Frank, his hunting companion, for the tenth time that morning.

Frank appeared skeptical. He shook his head in wonder and asked, "And you paid only twenty-five dollars for him?"

"Only twenty-five dollars," John said, awe at his own bargaining powers in his voice.

Brutus stood another single, and both men's opinion of him soared to new heights.

And then suddenly something happened!

With a sharp "yelp," Brutus bounded off across the field. Both hunters glanced up in startled amazement at this unusual and upsetting procedure. The tall broomstraw screened from their view whatever it was Brutus was after so hell-for-leather. They watched the dog streak across the field and abruptly Brutus' quarry burst into view.

John's lower jaw dropped and his eyes flew wide. "Ye Gods!" he cried hoarsely. "A rabbit!"

It was unbelievable! It was impossible! Brutus, the perfect

bird dog, chasing a rabbit like any ordinary beagle. And *yelping!*

Slowly, John's expression of incredulous amazement turned to red-faced anger. He blew sharply on the whistle and roared like a madman, but Brutus paid not a bit of attention. Across the field he galloped after the rabbit. Mr. Bunny dodged into a clump of briars; and as abruptly as he began the chase, Brutus abandoned it. Calmly he turned and trotted back across the field where he sat down on his haunches, cocked his head sideways, and looked up into the furious face of his master with an expression of utter joy.

John looked down at him in confusion. What to do? Why had Brutus done this thing? John took a limber switch and beat the pointer across his back, while Brutus cringed. "Get up!" John said.

Brutus stood up but instead of bounding off as John expected he looked up at his master with a hurt expression which seemed to say, "What's the idea? I hunted for you. If I want to chase a rabbit, why can't I? After all, don't be so doggone serious about this thing. Why, hunting is *fun!*"

"Now get out there," John pointed sternly. "And no more rabbits."

Obediently, Brutus trotted off, then hit his stride and began ranging back and forth across the field. He found another covey, giving each hunter two more birds. "Maybe," John suggested hopefully to Frank, "he won't do that again." But his voice sounded unconvincing in his own ears.

Brutus hunted well for a time, lulling them back into a sense of security when suddenly he took off across the field.

"Brutus!" yelled John. "Come back here!" But Brutus was in his seventh heaven. In another minute he had scampered beneath a fence and into a pasture where a herd of cows were grazing. Brutus made a bee line for the nearest cow and the grand uproar started—Brutus nipping at the placid cows, sending them lumbering away. From one end of the pasture to the other went Brutus, nipping, yelping joyously, simply reveling in this game of chase-whatever-runs-away.

Furious, John blew the whistle, yelled and waved his arms. Brutus paid no heed. He went on chasing cows.

Frank suddenly let out a loud guffaw of mirth and plopped himself down on the ground. John turned and glared at him. "What the devil are you laughing at?" he demanded belligerently.

"Yeah," Frank roared, "Brutus is *some* dog, by heck. The best doggone bird dog in Saxon County—when he isn't chasing cows! Wow!"

They could do nothing until Brutus tired. After awhile the dog gave up the fun and loped back to his furious master. His chastisement over, Brutus bounded off again and started hunting but somehow the fun was gone for John. At any moment Brutus might take it into his head to gallop off after a chipmunk, a rabbit or a cow. What a dog. John groaned audibly. He was deeply disappointed, but not hopelessly discouraged, with the result of that first day's hunt with Brutus. Time and patience, John felt, would work wonders with the dog and really make him the perfect hunter.

But John reckoned without Brutus' sense of humor. As the brown of November changed to the greyness of December, and December faded into early January, John began to have graver doubts. Brutus definitely wasn't improving. All the beatings he administered, Brutus took in his stride—then went right back to his old tricks. Time after time, John and Frank took him out, and each time Brutus would hunt wonderfully well for a time. Then he dashed off on a wild chase after something. Nor did anything seem to down his good nature and quizzical outlook on the world. Brutus simply refused to take his hunting seriously.

"I guess I'll have to sell him," John lamented to Frank that cold day in January. "That dog has too big a sense of humor for a hunting dog. No wonder old Mose sold him so cheap." He was disgruntled and keenly disappointed in Brutus.

"Yeah," Frank kidded for the hundredth time. "Brutus is *some* bird dog—when he isn't chasing rabbits!"

They went down the hillside, crossed over a flat field and ambled through a high barbwire fence. The field they were in was flat and open. Small clumps of scrub trees dotted the landscape here and there, but for the most part it was low pasture-land.

"We're pretty far off the farm," Frank said. "This is all new to me. Let's try up this way."

John blew the whistle sharply for Brutus, but the dog was nowhere in sight. "Now I wonder where that fool Brutus is!" he exploded in exasperation.

"Maybe he's over there in that clump of scrub trees," Frank pointed. When they were about a hundred yards from the trees,

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Roberts Photo

In fifteen minutes the big pointer found two coveys and stood two singles with the most amazing certainty



Photo by CANADA, via NAT'L RY

FIRST CLASS SPORTSMAN

By

Truman E. Crocker

THE MORNING sun was just peeping over the hills as I left the main road on the Rogue River, 35 miles Northeast of Gold Beach, and entered the lane which led to Uncle John's house. As I drove into the barn lot, he was just starting for the house with a pail of milk.

"Gosh, you almost beat your phone call here," he greeted me, grinning. "You'll have to wait till I carry a few pails of water for your aunt to wash with. You know," he continued, "she thinks we waste too much time on fishing."

"I know," I answered. "Remember, I'm married, too, Uncle John."

The appearance of Aunt Myra from the direction of the hen house prevented further conversation on the subject. After a warm greeting, she proceeded to discourse at some length on the foolishness of a couple of men who would get up before daylight and spend an entire day trying to fool fish who were usually much wiser than the ones who fished for them. "And even if you're lucky enough to catch a few," she concluded, triumphantly, "you've spent a whole day at hard labor, burned ten gallons of gasoline, and probably got soaked for a few fish you could buy at the market for a dollar."

Uncle John returned with his last pail of water in time to hear the closing argument.

"But I aim to take the biggest Steelhead in Oregon into Johnson's store and win that \$75 cash prize," he stated, "then I can get me a new pair of waders, a new rod, reel, and a lot of other tackle."

"Humph!" Aunt Myra snorted, derisively. "The only way you'll ever get that prize is to go in there disguised as a fish yourself. Come to think of it, that might not be a bad idea," she continued, thoughtfully. "All you'd have to do would be to shave off what little hair you have left, and keep your big feet out of sight." With this parting thrust, she retired in triumph to the kitchen.

AN HOUR later we stood in a bend of the Rogue two miles above Uncle John's ranch. The sun was warm and pleasant now, but the breeze was still cool, and mist rose in a white cloud from the river. The water seemed to be ideal for Steelhead fishing, rather high, but clear and transparent.

"Try it just below that big rock," I said, "and I'll go up on to the head of the hole." Uncle John, who was filling his pipe, merely nodded thoughtfully, and I started for my objective.

Fifty yards above me the water dashed in a ragged, bounding torrent over boulders the size of a water pail, to come together at the head of the pool in a narrow gorge, which made a deep, swift, stretch of green water that widened out into a pool a quarter of a mile long. Just where the white and green met, a small stream ran into the river from the side on which I was fishing. I stood just below this small stream when I made my first cast.

Nothing happened. I cast again, and still saw no fish. Moving downstream, I tried again, and was rewarded by seeing a silver flash just below my fly as I retrieved it for another cast. Steadying myself, I cast carefully in the extreme edge of the deep, swift water, and retrieved line slowly. There was a flash of silver, a spray of water into the air, a sharp tug, and my fish was hooked. Straight for the deep, swift water he dashed, and I had to give him line as he made a mad rush downstream. Not wishing to give him any more line than necessary, I ran down the edge of the stream, following him up. Suddenly there was a shout from below me. Stealing a glance in that direction, I saw Uncle John's rod apparently trying to jump out of his hand. Then his fish jumped clear of the water in the center of the stream, and I, too, shouted.

"Hold him!" I yelled. "He's a prize-winner!" And so he seemed. "Look out!" Uncle John yelled. "He's coming your way, and I can't hold him!" It was true. Up stream he came like a shot, and Uncle John, try as he would, could not check him.

Giving my tackle all the strain I dared, I checked my fish, and tried to head him upstream. Suddenly, the strain left my line for a few seconds, then there was another and fiercer tug. I knew instantly what that meant.

"We're fouled!" Uncle John yelled. "Be lucky if we don't lose both of them."

I could easily believe him. Tugging first one way, then the other, the fish seemed determined to tangle the lines still more. Only the fact that they were hooked solidly, on heavy tackle, prevented our losing them the first dash. Uncle John jumped up on a large, round rock at the edge of the river.

"Let's head them into this little creek," I yelled, "then we can hold them."

Uncle John nodded, then his line tightened suddenly, one foot slipped off the rock, the other flew up into the air, and he splashed into the river on his back. I noticed that he still held tightly to

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INSIDE INFORMATION

By

Malcolm Eagles Runyon

SO YOU HEARD I got a raise, Joe? Or was it just because you saw me fishing with the Old Man? Well . . . if so . . . it was on account of those perch . . . eight yellow perch!"

"As Editor of the City's largest daily, the Old Man's pretty sharp. Accuracy's his passion. Remember the dictum on our masthead: 'THE OUTLOOK OBSERVER KNOWS.' He called me into his office last Monday, and leaning forward over his desk like a turtle about to take off from a log, said, 'Henry . . . I'm not much of a fisherman . . . but you've written a book on it they say . . . now tell me . . . which is better for perch . . . nightwalkers, or garden worms?"

"'White or Yellow?' I asked, and he pulled his head back as if into his shell and scanned the letter he held."

"Senator Sirocco's wire doesn't say . . . seems he is going on a trip with some of his constituents next month and wants to be high hook."

"Tell him nightwalkers," I offered, for I didn't care if the Senator would be lucky or not, he's not in *my* camp, 'and be safe.'"

"That was like red flannel to a bullfrog. 'We don't play safe around here, young man . . . WE KNOW . . . or if we don't, we find out . . . and I think you're wrong anyhow . . . ask Mac!'"

"Mac runs our 'Advice to Anglers' column . . . he's one of the best anglers east of the Rockies and knows it . . . cocky as a sunfish guarding its nest. Before I could give him the high sign to soft pedal, the Old Boy pops the question, 'Any damphool,' Mac answers, 'knows that crawlers are better!'"

"The Chief stuck out his long, scrawny, tortoise-like neck and glared at us. Then he went and polled all the staff who fished, one by one, and tallied the votes. It was a tie, including his own vote, which didn't help matters any, for if there's anything he dislikes worse than carelessness, it's indecision."

"That night I ransacked my library. Neither books nor catalogs shed any light on the subject . . . not even THE SPORTSMAN'S ENCYCLOPAEDIA. And next morning I was going through Mac's files when His Nibs limped in with his sort of terrapin gait. You could see it was still on his mind and that he'd had a bad night . . . dark rings under his beady, chelonian eyes."

"'Henry,' his v-mouth snapped, 'there is just one way of settling this thing so we can be sure we're right. That is for you and me to go up to Green Lake tomorrow and make the experiment. We can *not* let the Senator down. Be at my place at seven and get your

own bait. And we had better take some lunch.'

"If Mac had heard that break, he would have shot back at him point blank that one fishing trip doesn't prove a thing . . . but not me . . . I'm not 'in' as solid as he . . . and besides, I wasn't passing up the chance of hobnobbing with the boss."

"I'll bring the lunch, too," I volunteered."

"So on reaching home, I first hosed the lawn thoroughly. Then after dark I sneaked around with a flashlight and hunted nightwalkers. It took more than an hour but I picked up over a hundred—regular snakes!"

"I was up at dawn. I put up the eats myself. Even baked fresh biscuits instead of using store bread. It was the big chance to make an 'imprint' as Andy used to say, for it's not often the Old Man is seen pal-ing with any of the force. And I organized so there wouldn't be any kind of hitches or sour notes."

"He didn't say much on the drive to the lake, except to point out that a perch has a smaller mouth than a bass and should logically take the lesser worm. We took a flatbottom and put our paraphernalia shipshape . . . he likes things just so . . . can't abide any kind of carelessness."

"Of course I rowed. And as he does know Green Lake, it would have been less majesty than for me to suggest where to fish. He was fussy about it, too . . . ranged in the spot with markers to a hair. I had to place the boat on a dime, so to speak. When he gave the signal I let go one oar, reached behind while holding the craft with the other, and eased over the anchor. It sank in an absolutely final sort of way . . . without that slithering-swish of the rope. I could see by the Chief's expression that all was not well. Didn't you notice it wasn't tied on when we got it?" he asked. And there was something in his tone insinuating I hadn't made a particularly favorable impression as a fishing partner."

"However, I picked up a large stone on shore which served well enough, and soon we were back on the same location. The Old Boy had a good supply of those little red worms you find under a manure pile, and he sat there by the hour almost as motionless as a turtle basking in the sun, while I drowned my nightwalkers. That's the way with perch usually; they seem to travel in schools, and either you get 'em a-plenty, or you don't get a smelt."

"Just before noon he had his first touch. He was sure he had a perch, and when it proved to be an unusually large bluegill, he was as sore as though he'd grabbed a bullhead the wrong way . . . though he tried hard not to show his feelings."

"I netted the fish, and while he was re-baiting proceeded to untangle the meshes which had caught around the collapsible frame screw fastener. He turned my way and observed in his expressionless, terse manner, 'You are not very sensitive where you sit down, are you Henry?'"

"I was going to reply that I'd been kicked around too much to be, when I realized I was sitting on his tip . . . that's swell for a rod, Joe . . . and a swell way to make a hit with His Nibs."

"To get his mind off my blunders I suggested we eat. I thought he'd feel better with a full stomach. He munched away deliberately with never a hint as to how he liked the things I'd brought . . . my own biscuits . . . freshly spread . . . even an old sourpuss like you rises to them. When he was most (Continued on page 25)



The Old Man took eight yellow perch



I'd struck my can of worms . . .

A GENTLEMAN MUST ASSENT

By

O. H. P. Rodman

INCONCEIVABLE as it may seem, there was a day when it was impossible to buy food. Of course that was a long time ago, such as in the Paleolithic Age, when a man had to take his stone hatchet in hand instead of calling up the local grocer for provender. But to fully appreciate how easily we live today it will do no harm to look back to the Stone Age when the earth contained many animals that placed mere man in the midget class. It was no mean task to swat down an Ichthyosaurus with a crude stone ax, let alone defend the kill and get it home to the wife and kuddos. That was many centuries ago, but while most all the customs of that day are now ancient history there are one or two traits (thank goodness) that have survived. One is the instinct which many of us still have very strongly to hunt, camp, fish and live outdoors. The fact that some thirteen million people take out annual hunting and fishing licenses is proof that the instinct is preserved by more than a few.

The other custom is that of man being the procurer of food for the family. None of us have any stone hatchets with which to chop off the daily bread, but we do—with what we are pleased to call brains—earn, in the majority of cases, the money which buys the food. And more than that, it is usually the men of the family who are the heartiest eaters which leads directly to the fact that although the woman of the family goes to the local grocer, she is buying to meet the demands of the man's wishes, and is using the money which the man earns. Man is still the "meat getter."

He is the one who is asked: "What would you like for dinner?" tonight, tomorrow and the next day, from Sunday to Sunday. It so happens that we have always been interested in the tri-daily art of eating and have asked practically every married man we know if he isn't consulted as to the household menu; nearly 99 44/100%

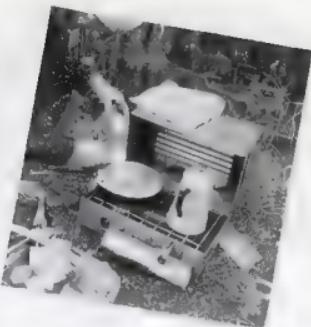
answer in the affirmative. The woman buys but behind her purchases lie the preference of the menfolk.

There's hardly a fisherman or hunter who hasn't had many a meal outdoors. Here he, in addition to dictating the choice of foods, also takes on the role of cook. Back in the Paleolithic age it is a good bet that the women did most all the cooking, but as man became more civilized he developed tastes for greater varieties of dishes. In the stone age, the only dish was probably a bit of roast meat which was held over a fire on a stick—that was all they knew how to cook and it was all they had. What a difference today! In camp or at home you can take a can-opener in one hand and cans of a great variety of fruits, juices, beans, vegetables, meats, spaghetti, and in half an hour's time have the products of many nations and many climates prepared for your breakfast, lunch or dinner. When you plan a two weeks' trip into the woods, you no longer have to worry about keeping things fresh. Modern science, modern manufacture, fast transportation, smart advertising and your local grocer have created a chain of production and distribution which brings you the delectables of the world.

It's interesting to run over a few of the remarkable conveniences which we all enjoy but take too much for granted. In the old days, if you wanted coffee, you went down to the local grocer, got the news of the day, had him grind up some coffee beans, put the cash on the line and you had coffee-makings which would keep fresh for a few days and give you a good brew. The modern camper can obtain a specially prepared coffee which is like so much magic. Boil your water, pour out a cupful, toss in a teaspoonful of the magic amber powder and you have as delicious a cup of groundless coffee as you could ask for. The remaining contents of the can will stay fresh indefinitely under the tight-fitting lid; the can itself would practically fit into your vest pocket; you don't even need a coffee pot—all of which means reduced bulk.

It was only back in 1926 when the writer was taking a mid-

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INTRODUCING FISH-O

*The new competitive,
entertaining casting
game for fishermen*

AT LONG LAST the fisherman has his game. For many years it has been a source of disappointment to bait casters as well as to dry and wet fly casters that no game has afforded them opportunity to practice and whet up their casting accuracy in off seasons. The wing shooters had their off season game in skeet, a game introduced by HUNTING & FISHING and NATIONAL SPORTSMAN magazines, which in the last few years has grown by leaps and bounds until now it not only is an off-season practice opportunity, but an all-season sport in itself. That the fishermen had failed to conceive a similar game for the sport of fishing had made them almost ashamed of themselves until a group got together in Chicago, a few weeks ago, and completed plans for what appears to be the answer to the fisherman's prayer—FISH-O, a game that every fisherman will welcome because the lines (no pun) for its conduct have not been made so hard and fast but that changes for improvement may be made in them.

In fact, the idea of those who sat in on the preliminary plans for the game—and the personnel was representative of every part of the country—was first to establish a fisherman's casting game, announce it to the public and then, with the exception of certain necessary fixed rules, invite suggestions for the game's improvement. It promises to excite much attention in the fishing world and is nationally sponsored by the American Wildlife Institute and the Izaak Walton League of America.

Heretofore, casting, both bait and fly, has been chiefly a tournament contest, participated in by professionals or expert casters. It has been an exhibition. The amateur who would have liked to participate felt that he would be in entirely too fast company if he dared enter the events. Moreover, it was felt that the casting tournaments were not representative of the vast number of fishermen at large any more than a skeet tournament would be if the shooters were composed entirely of experts.

Skeet achieved its great popularity because the rank amateur or unskilled beginner, with no training and with only a will to shoot, was as welcome as the flowers in May at any skeet club. Thus skeet has become not only a highly popular sport but it has turned out thousands of good shooters who never would have appeared if skeet clubs had been limited to professionals or experts. Among the entrants to the ranks of skeet fans are thousands of women who never would have thought of picking up a gun if they felt they had to compete with experts. Many women, however, have become just as good shooters as many of the men.

Now comes the fisherman's game, Fish-O, which will be a combination of bait casting and fly casting. Interest in the game is heightened by the fact that the participant will cast at horizontal targets set at unknown distances.

The layout may be located on water, as, for instance, in either natural or made pools, or it can be played on lawns or other level surfaces outdoors or indoors. It is expected that space at country clubs, municipalities and private grounds will be utilized for the new sport. Fish-O may be participated in by individuals or competing teams. It offers the same opportunity for match contests as skeet or golf, and can easily result in building up a series of competitive, all-year-round matches.



A member of the Hunting & Fishing staff tries out FISH-O on a Boston roof-top

In the accuracy bait casting events just announced as part of Fish-O, there will be ten horizontal targets, six of which must not exceed thirty inches in diameter and four of which—the four targets nearest to the casting point—eighteen inches in diameter. These shall be scattered at random at distances unknown to the caster. No one of the targets shall be located at a distance greater than eighty feet or at a distance less than forty feet from the casting point. If a club or local organization has only five targets at its disposal, contestants may rotate from targets one to five.

The bait casting event is highly interesting in many ways, one of which is that the first five targets must be cast at from a sitting position, as would be required of a caster sitting in a boat. The last five targets must be cast at from a standing position.

The rules themselves, fixed by the originators of Fish-O, are:

"**ROD**—Unrestricted, **REEL**—Must be of standard manufacture as regularly supplied by their makers, and sold by them through their regular channels, and fitted with a level-winding device. No additions of any description will be allowed under these rules.

"**LINE**—Must be of strength test not less than ten pounds, and each contestant must submit his line for official test before casting in any recognized event, which shall consist of lifting any official ten-pound weight with it from the ground or platform.

"**WEIGHT**—No casting weight or plug shall weigh in excess of $\frac{1}{4}$ ounce, length overall to be not more than three inches or be less than one inch at its greatest diameter.

"**CASTING**—Single handed only.

"**SCORING**—Three casts at each of ten targets will be scored as follows:

"Five points for a perfect on the first cast.

"Three points for a perfect on the second cast.

"Two points for a perfect on the third cast.

"If casting weight falls on or within the circle the cast shall be scored 'perfect.' If casting weight falls outside the circle, it will be scored 'zero.' No fouls will be allowed except for outside interference.

"**TARGETS**—Ten targets consisting of six not to exceed thirty-inch rings, and four targets, nearest to casting point, each eighteen inches in diameter, scattered at random, shall be anchored at unknown distances to the caster. (Clubs having at their immediate disposal but five targets may rotate contestants from targets one to five. No target shall be at a distance greater than eighty feet, or at a distance less than forty feet from the casting point.)

"**METHOD OF CASTING**—Free style unless otherwise specified. Caster will rotate casting at targets from one to ten. (Clubs having at their immediate disposal but five targets may rotate contestants from targets one to five, and again from one to five, provided that targets numbers one and five are set at different distances), and as caster moves to next casting position, next caster will take the position vacated. No caster will vacate position just completed until caster occupying next position shall have completed his third cast. The first five targets must be cast from a sitting position and the last five from a standing position.

"**DETERMINING WINNERS**—The caster having completed the necessary thirty casts (three casts at each of ten targets), and having the highest number of credit points shall be declared the winner. The caster having scored the next highest number of credit points shall be declared

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POT SHOTS & NIBBLES

Izaak Walton Walks at Evening

All day I had fished the brawling creek
Through the lazy late spring hours,
When the dogwood showed on the high
green hills
And the smell of laurel flowers

Came down on a wind through the faint
gold haze
That obscured the wooded valleys
And the paths between trees on the stream's
bank looked
Like dark pine-carpeted alleys.

As I paused at a pool for a last long cast,
For the day's catch had been meager,
I casually glanced at the farther bank
And thought that I saw the figure

Of a quaint old man dressed in sporting
clothes
In the fashion of long ago.
He was pale and thin as woodfire smoke;
By his eyes I seemed to know

That this was never a man, but a ghost
Come back, that the Angler's spirit
Was awaiting the rise and the swirling
sound
When a trout breaks water. To hear it

He seemed to lean over the quiet pool
Where the rainbow fish were sleeping;
As my Coachman settled, a giant trout
With a vicious lunge went leaping

To the head of the pool where the riffles
froth,
But I checked him gradually
And played and netted and creel'd him,
Then raised my eyes to see

If the Angler's ghost had been watching me,
And I saw by the willows moving
The fading shape of a quaint old man
And the nod of his head approving.

And I thought I heard as he disappeared
Some indistinct last words
Which seemed to come from a long way off
Like the call of far night-birds:

SPORTING PUPS



"My hands have longed for the feel of a rod
And the fish I shall not be catching
When the willow trees are green with spring
And the flies are hatching.

"There's nothing in heaven like a rifled
stream
And a rod-tip lashing
And a savage rise for a hacked fly
And a trout in the current flashing."

Richard Estes

THE EXODUS

A Terrapin and a Tarpon
Were conferrin' in the Bay.
Said the Tarpon to the Terrapin:
"I must soon be on my way,
For the Rodeo is comin',
I can feel it in my fins;
And my appetite and temper
Are my main besetin' sins.
When I behold those dusters,
And those spoons, and common squids,
I simply cannot act my age,
My judgment takes the skids.
Although I know about the hook,
And see the line and boat;
That temptin' lure keeps teasin' me,
Until it gets my goat.
They gaffed me twice in Texas,
And believe me when I say,
They measured me and took a scale,
Then let me go my way.
Though somewhat of a stranger
In the waters hereabout,
I understand they gaff you,
And they lift you right on out.
For a Tarpon with my weakness,
And no sales-resistance stuff,
This territory's dangerous;
They play the game too rough.
So I'll take a swing to Texas,
And I'll linger on the trip;
Before I go I'll see my friends,
And give them all a tip.
We'll clear out while the frolic lasts,
They'll never guess the reason.
Then drift back in and stick around,
Till next year's Rodeo Season."

Frank W. Wilmore

Fishin' Bug Will Bite You— "If You Don't Watch Out"

"Mother, what's that figure toiling in the
boiling summer sun?"

"That's your father, drying fish-lines, get-
ting all his tangling done."

"What's that wild-eyed glaring ranter, eye-
ing you with dirty looks?"

"That's your father counting sinkers, sorting
out his fishing hooks."

"What's that figure skipping madly on the
lawn at night so late?"

"That's your papa grabbing crawlers, scram-
bling for his daily bait."

"What's that wildly waring blither, screeching
loud with curse and blast?"

"That human semaphore's your papa, trying
to improve his cast."

"What's that mouthin' idiot saying, what's
he jibbering about?"

"That's your pa in frantic fervor, praying
for a speckled trout."

"Why the mortgage on the homestead, why
the chattels sold for debts?"

"That's for father's fishing tackle, boats and
rods and landing nets."

Yes, I took him to a doctor, learned, solemn,
old, and wise.

Pop began to rave on muskies, reels and
creels and feathered flies;
Muttered, wild, about a river where the
bass and salmon throng.

Pop broke loose and went off fishing—and
the doctor went along

George F. Shepherd

Discontent

Chained up; et by fleas 'n' skeeters
Hunting togs stowed on the sheet,
The boss jest stops fer a can o' fishworms
Then goes away all by himself.

Dissatisfaction rules the kennel,
Sorrow 'n' wailing rends the ears,
Ain't it HELL to be a houn' dawg
When spring fishin' time appears.

F. S. Streever

By John Held Jr.

INTRODUCING FISH-O

(Continued from page 13)

the runner-up, etc., etc.

"DRAWING TIES"—In the event two or more competing casters finish with the same number of credit points, the caster having made the greatest number of perfect initial casts shall be declared the winner. However should a tie still exist, then the total number of perfects made by the tied contestants in second casts at each target shall be considered in determining the winner. Should a tie still exist, then perfects made by the tied contestants in the third casts at each target shall be considered in determining the winner. Only, after the above determination has failed to break the tie will contestants recast or cast off for position.

In the fly casting events, the point is to make casts at five horizontal targets in succession, located at unknown distances, from twenty to forty feet from the casting platform. In the first round, which will be confined to dry fly casting, the participants may have only three casts at each target. Thirty-inch round targets, horizontal, not vertical, are suggested but twenty-eight-inch targets will be permitted. The idea is to permit the use of twenty-eight-inch bicycle tires, which are easy to obtain, thus obviating the necessity of making special targets.

Only perfect casts which land in or on the ring target constitute scores. If a perfect cast is made on the first attempt, it counts five points for the caster. If the caster should fail to make a perfect cast on the first try but should make a perfect cast on the second try he scores three points. If he should fail on the first and second attempts and should make a perfect cast on the third try he scores only one point. He can make only one score on each target and in each attempt the fly must float in order to score. A touch on the water or surface of the casting space or a sunken fly on the water in extending the cast or sunken fly counts as a cast, but not as a score. Time will constitute a major factor in this contest.

The second round will be restricted to wet fly casting. A time limit of not more than one and one-half minutes casting at each target is imposed. A difference in the wet fly casting round is that perfect casts score only three points each. The contestant will cast at each ring target until it is scored before he advances to the next ring target, until all five rings have been scored. He then starts in again at the first ring and continues until time is called.

The third round is devoted to "roll," or "switch" casting. The same time limit of not more than one and one-half minutes to each target and the same order of casting will be observed. Each perfect cast scores five points. The highest total of points constitutes the winner.

Rods, lines, reels, leaders and flies used in the fly casting game must be of standard manufacture. Leader and fly are unrestricted. The same outfit must be used throughout all events without change except in the cast of a broken or lost fly and, in that cast, no allowance is made for time out in making the change. Any fly with hook cut off is permissible to use in the contest.

For the sake of speeding up the game, entrants will work in pairs, with one of the number scoring in his idle time as the casters pass around. Waiting contestants may also act as scorers.

(Continued on page 22)



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PRINCE ALBERT

THE NATIONAL JOY SMOKE

FISHING

Edited by
BREEMS FORREST

REASON for STREAMERS

DURING THE LAST few years the streamer fly has grabbed a wide slice of the angler's affection for itself as a lure for trout. And apparently with plenty of reason as scores of letters this writer has seen will testify.

There are any number of different types of streamer flies and generally speaking, any fly which has the elongated wing which gives it the appearance of a minnow when in the water comes properly under the classification.

We ourselves have been using streamers for a good many years and with what seems to us to have been considerable success. Long ago we proved, to our own satisfaction at least, that a streamer when it is fished with the idea of making it act like a minnow acts when lazing along the stream-bed will take the very largest trout in sight.

Last spring, while fishing one of the home streams which certainly gets more than its rightful share of fishing, we combed a nice run with a cast of wet flies, up and down, and we fished carefully. When nothing stirred but two or three recently stocked eight-inchers we changed to a Yellow Tiger streamer. Half way down the run a jutting stump caused a back-eddy and as our fly hit the pocket and started out into the current we saw a trout following. On the third cast he took it and his hide now hangs along with some of his brothers and cousins on the wall of our office. The trout, a brown, weighed four pounds, two ounces. A four-pound brown is not the largest brown in the world by a long way, but from any stream in New York state such a fish is worth a lot of fishing for.

One of the reasons for the popularity of the streamer is the ease with which it can be fished. Streamer fishing is considerably easier on the wrist than dry fly fishing and requires none of the expertness necessary to fish wet flies upstream. We have seen any number of anglers who had very little experience with any sort of fly fishing start out with a streamer and get the hang of it before



Photo Courtesy of Canadian Pacific Railway

Small mouth bass in fast water are great sport

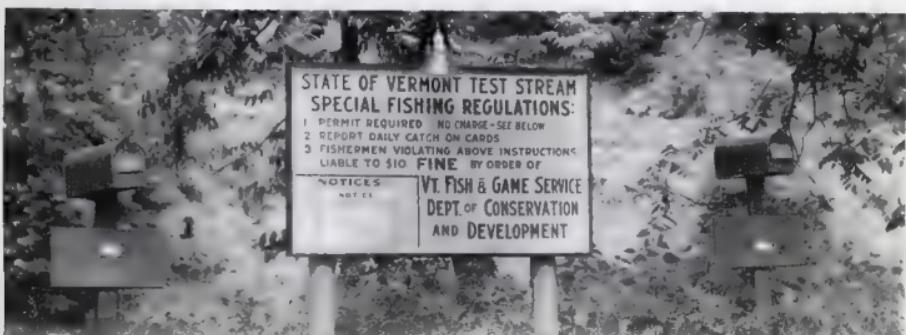
they reached the first bend in the river on their initial trip.

We ourselves have been paying particular attention during the last four years to conditions under which the streamer seems to be most effective and while there are always times when trout "take" better than they do at others, we haven't been able to determine yet whether the long wet flies are better in the early spring, in early summer, late summer or on high or low water. Trout seem to take them from opening day on with no regard whatever for the season, the clearness or muddiness of the stream and regardless of whether the day is dulled with an overhanging sky or pierced with a sun which will burn a hole in the back of the angler's neck. We have taken browns, brooks and rainbows with them from water so clear that every mark on the fish could be seen before he struck.

Almost without exception, streamers are fished simply: across to the opposite bank with care being taken to get them right smack up against the bank or log, and are then started out into mid-stream so that they jerk along just under the surface and swing downstream at an angle when the current takes them. There are some variations in the motion which is given the streamer by lifting and lowering the rod tip as the retrieve is being made, but they are all aimed at the same thing. Whether this motion is a sort of wiggly crawl, a long draw of two or three feet or something more modest and half-way between the two actions depends upon the angler's fancy at the moment. Sometimes one action seems to work best, sometimes another, and we have taken plenty of trout when the streamer was doing nothing more than coming along slowly and sedately and acting as if it didn't have a care in the world.

While we cannot honestly say that any one method of giving a streamer action is better than another, we usually use the long draw ourselves, but it may be merely a matter of habit, like changing gears on a hill or turning our fishing hat back to front if the going is slower than it should be.

There does seem to be plenty of reason to believe that some patterns of streamers are better than others, however, and the Yellow Tiger, mentioned before in this department, seems to be one of the very best. Before we started using the Yellow Tiger three



Letter boxes along Vermont's test streams, where anglers must deposit a record of their day's fishing effort

U. S. Bureau of Fisheries Photo

years ago we stuck pretty well to a Polar Bear with a Lord Denby running a close second. Before that we favored a squirrel-tail and have taken our share of trout on all of them. The Yellow Tiger does seem to be the best all-around pattern we have found, and last year we started using a size 6 where before that a size 8 was a favorite. The size of the fly seems to have something to do with its fish-taking qualities, without a doubt, and even on small streams the six appears to get the most attention.

Any yellow streamer, presumably, may be just as effective as the Yellow Tiger, which has a herring body, a red tail and shoulders of Jungle Cock, finished off (if you tie it correctly) with a tag of silver tinsel. The fly is highly visible in the water which is an advantage to the angler because he can follow it easily and see many a fish before the strike.

The Polar Bear streamer has wings of polar hair, which is white with a yellowish tinge. This streamer is tied with two different colored bodies, one red with silver tinsel ribbing and one orange with the same ribbing. We always preferred the red body but here again it may be nothing but fancy.

The Mickey Finn, about which John Alden Knight wrote in the March issue of this Magazine, and which is now being tied by a number of fly manufacturers is an excellent streamer. Red and white combinations have always been popular colors for bass lures, either flies or plugs, but have never been widely used for trout in the United States but there is no question about it that the Mickey Finn is a taker. In fact, the following letter from friend Charlie Summerson who knows something about flies after some thirty years fishing experience shows that the Mickey Finn will take something beside trout:

Fishing Editor, Hunting & Fishing—Certainly enjoyed that Mickey Finn story in March Hunting & Fishing. What Professor Knight says about the fish taking ability of this fly is all true. I know whereof I speak as I run a sporting camp at the mouth of the Tabusintac River in New Brunswick and have seen this red and yellow bucktail take not only trout but SALMON when all other flies failed.

My faith in this pattern is not based on a few days only. Checking back over my records I find that I started to use this fly way back in 1928. Until I read the Knight article, I did not realize that others were using this fly with the same good results—but more power to them.

The most interesting experience I had with the Mickey Finn was when a guest hurried into camp one morning and said that he had only one day to fish for salmon. He unrolled about the prettiest and most complete set of flies I've ever seen—and I've seen plenty—and asked me to pick out the one which should take fish. After seeing that he had no pattern which even closely resembled the Mickey Finn, and having been out early that morning and hooked three fine salmon on this fly, I suggested that he take a Mickey of mine with him up river. He wouldn't do it. About two hours later he came back and said there were no fish in the river, he hadn't had a single strike. This time I insisted that he try the Mickey Finn. The result was that inside of another two hours he came back with a big smile on his face and three big salmon in the canoe. And that was just one experience.—*Charlie Summerson, Tabusintac, New Brunswick*

Some writers claim that trout strike at the head of a streamer and Hewitt says that such flies should be tied with long wings on a short hook for this reason, but our own experience has convinced us conclusively that the extra-long shank hook is the proper hook for this purpose. Very few trout will strike a streamer short unless it



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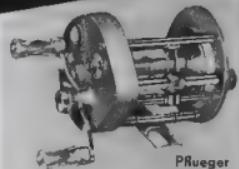
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is being retrieved directly upstream and even then it won't happen often.

Crappie and Calicos

Among the spring-run fish which provide the opportunity for some angling exercise before the season for black bass gets underway in the northern sections of the United States are the crappie and the calico bass. These fish are closely related but readily distinguished both by coloration and by the number of spines in the dorsal fin. (The dorsal fin is the large fin on the back of the fish.) The crappie has six of these spines and the calico bass has seven, or sometimes eight. The calico bass, depending somewhat on the water it comes from, is much darker in general coloration than the crappie and is marked with dark, irregular blotches which frequently appear to be almost black. The crappie, on the other hand, is more silvery and free from these body markings.

In sections of the country where the calicos are really numerous they provide good fishing soon after the ice goes out. They work up the creeks from the lakes in large numbers and feed hungrily on minnows and worm baits; then catches heavy enough to feed an entire hungry family are often taken. Small hooks, not larger than Size 8, are best for both crappie and calicos and no long leader is necessary at this time of the year. While many anglers use bobbers, it is better to dispense with this if the fishing is being done with a rod long enough to keep the bait off the bottom and out of the weeds without it. The little beggars strike quickly and the elimination of slack which usually accompanies bobber fishing is an advantage when the action is fast. Use a light rod, reel and line for this spring fishing, and it's fun for the whole family.

Saving Fish

There is no more widespread idea among fishermen, and particularly trout fishermen, than that the proper way to handle a fish which is to be returned to the water is to wet the hands before picking it up. This theory is being questioned more and more by hatchery workers who handle fish a lot and by fishermen themselves who have given it some thought and study.

Theoretically, wetting the hands saves the fish's life by preventing fractures of the slippery film which covers the body of the fish. Break this film, we have been told, and it gives bacteria a chance to attack the fish and kill it.

That is the theory of it, but countless numbers of small fish are killed by anglers who wet their hands before removing the hook but who, because they did wet their hands, have to grip the fish so hard to hold it that its gills or other parts are injured. Actually it is better to break the body film than to injure the fish in this other way, as has been proven in many hatcheries.

Some anglers brag of never using a net but when it comes to being able to return a fish to the water uninjured a net is almost indispensable. It is an easy matter to pick up a fish in the net and remove the hook without touching the fish at all. If the hook is so deeply embedded that the fish bleeds, it is a dead fish anyway, whether touched with the hands or not. Trout especially are hard to handle without injuring them and every trout fisherman should carry a net just for this very reason.

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Cream of Kentucky

STRAIGHT BOURBON WHISKEY

No Fly Hatch

Some trout streams, usually in sections which are well cultivated, have few important fly hatches. Many streams never see a May fly hatch, which both here and in England is considered the best hatch of the lot, and not only do these streams see no May flies, but they see very few water-bred flies of any kind.

The reason usually is traceable to the fact that the stream flows through a country-side from which most of the timber has been cut and through which have been built hard-surfaced roads along with drainage ditches which flood the stream during the spring freshets and allow it to come close to drying up entirely during mid-summer. Such a combination is more than the insect life of the stream can stand. Larvae which isn't washed away during flood water is burned out during low water, and as a consequence insect life in such streams is negligible.

Streams in Canada, particularly those north of Lake Superior, have heavy fly hatches. Streams in the Catskills of New York state are among some of the most prolific fly-hatch streams in America and they are run a close second by most northern Michigan streams. Streams such as the Au Sable, the Pere Marquette, the Pine and the Boardman in Michigan have every physical quality to promote heavy fly hatches. Their flow remains constant and they flow through country where second-growth timber is abundant. Even on the Au Sable below Mio, where once every 24 hours through the week the stream flow drops to almost a trickle, this low water period does not, apparently, injure the embryo caddis, May

and other flies which are buried among the stones and sand of the bed, because they are covered again before they have dried out. It is the streams which shrink to trickles, and stay shrunk, and streams which are washed so heavily that every stone in the bottom is turned by the current, which have no chance to grow a crop of trout food which has wings.

Keeping Worms

One of our western readers wants to know if there is any method of keeping worms for a period of several weeks during the time when it is difficult to dig them because dry weather has driven them too deep to find.

Worms can be kept for months in proper beds. These are usually prepared of moss bed. These are usually prepared of moss and professional worm farmers keep the composition of their beds a deep, dark secret. Most of them spend a long time experimenting to find out just what combinations of moss, leaves or other substances are most suitable so no one can blame them for keeping the information to themselves.

It is a simple matter to keep worms healthy for several weeks, at least, by making a bed of moss in a large, flat wooden box. Leaf mould can be added and the worms will feed on this but if it is used they will need scouring before use just as do worms freshly dug out of the earth. Clean moss free of mould or peat, keeps the worms scoured and they can be fed on cornmeal with an occasional sprinkling of egg yolk which has been boiled hard and crumbled.

The amateur worm farmer is very likely to make the mistake of letting the bed go sour. It must be kept damp—but no more than damp, and no water at all must be allowed to soak into the wood or mildew

will soon cause plenty of casualties. The bed should be kept in a woodshed and kept out of the light. Covering with damp burlap will keep it moist enough even in hot weather and will keep the temperature down also. Coffee grounds can be used for food occasionally, and so can oatmeal, but whatever is fed should be fed very sparingly by sprinkling over the bed.

Salt Water Angles

About Salt Water Lines

HERE is one real all-around line for salt water fishing: the cuttyhunk which is made from good linen. It has the lasting quality, the pliability that makes for even spooling and unspooling, and with decent treatment lasts for a surprisingly long time. As a rule it comes in natural white or in green color although one company had the very good idea of getting it out in colors which change every ten yards. Don't try to makeshift and use some of your old freshwater line for salt water fishing. It will pay you dividends in the long run to buy a good cuttyhunk for your trips to the briny deep.

The size of cuttyhunk line is generally designated by the number of threads. For example, the lightest cuttyhunk is six thread which simply means that in this size there are six separate threads twisted together. The test of most cuttyhunks now is three pounds to the thread, so that 6 thread may also be designated as 18 Lb. test line, 9 thread as 27 pound test, etc. Cuttyhunk sizes increase in multiples of three, from 6 up to 72, although 54 thread is about as heavy as you'll need even for a world's record tuna or marlin.

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your specific use is determined by the type of fish which you are seeking and the way in which you plan to catch them. If you're surf casting, you want a line which will spool evenly, cast well and yet give you wear and have sufficient strength to handle the fish you're after. You can cast for stripers or channel bass with an 18 thread line but you'll get more distance per ounce of casting energy expended with a nine or twelve thread line. It boils down to the simple formula that the lighter lines do cast better, cause fewer backlashes and generally add more to the fun of fishing. Yet if you are fishing in the surf around Newport, Rhode Island where there are plenty of rocks and reefs, you'll need a heavier line than if you're fishing for the same size fish off a sandy beach where you can let your fish run without fear of having your intended victim running around on the far side of a rock or under a ledge and cut the line. For some time we've experimented with lines for surf casting in sizes from 6 thread to 18 thread; any of these will do the job. Down at Monomoy Point on Cape Cod, quite a few of the lads have concentrated on 6 thread because they can get longer casts to reach the several hot spots for blues which lie nearly 100 yards from the beach. With five ounce jigs and these very light lines they will average from ninety to a hundred yards per cast—and that is a good long way when you stop to think that it means the length of a football field. When you get a backlash in mid cast with the six thread, however, you're apt to snap the line and lose a jig.

On the other hand, many of the Newport bass fishermen (who fish from the outermost edges of the rocks and do not have to make long casts to reach the haunts of big striped bass that not infrequently pull the scales down to forty or fifty pounds) raise an eyebrow of disdain when you talk light lines for surf fishing. They want fifteen or eighteen thread at least. They are right too, as nine times out of ten it would be impossible to handle those big bass in the kelp and rocks with six thread lines.

So by and large, it boils down to buying a line that suits the conditions under which you will do most of your surf fishing. We would recommend the six thread line (at least 300 yards) for experienced casters who have their backlashes well under control and who fish sandy beaches for stripers, blues and weaks. For the big bass along rocky shorelines, we are all for the Newport boys and their 15 and 18 thread cutylunks. If there is a surf casting line which will be a happy medium and give long wear, easy casting and not too much sacrifice of distance, it is probably the 12 thread.

Fresh water bait casters have been helped to reduce backlashes by such mechanical devices as level-winds and anti-backlash features. Nor so the surf caster where his reel comes without the level-wind and thus leaves it up to the angler to be sure to spool his line evenly on the retrieve of each cast. And this is most important. Probably 50% of the surf casters' backlashes are caused by carelessness of the spooling. With a little practice you can get in the habit of weaving the line from one side of the spool to the other with your thumb and forefinger as you reel in. Learn this simple necessity and you are well on the way to more time spent fishing, less time undoing bird's nests.

When you talk trolling or still fishing,

THE FLATFISH

HAVE YOU EVER seen a dream swimming? Well, that's the Lure that makes the known impossible makes the lure. And we are serious when we claim it. In Impressionistic art, the flatfish is the most swimming action of the FLATFISH. We challenge anyone in the world to match the swimming action of our patented features. All of our standard size lures are equipped with the most popular hooks—soft, detachable, small-gang hooking, the best for deep-sea fishing for fish in States no one catches.

HAVE YOU EVER fished for a fly rod plus with a permanent rod plus? Our recently perfected fly rod model of the FLATFISH with offset hooking is just that. Now available in two sizes, 6 ft. 6 in. & 7 ft. 6 in. each with a 10 ft. leader. Trout model \$1.35. Surface, Underwater, and Trolling Models, \$1.00. Lures in 3 colors. At your dealer or direct. Standard hook value is \$4.00—postage extra. Circular, \$1.00 extra.

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Miniature battery makes bulb inside glow brightly through body of translucent molded material. Attracts fish like a flash—day or night! Buoyancy controlled by weighting with water. Floats lightly when empty. Standard model flies light. Weighted model 3 hours; replaceable weight. Visible or colorless bodies. Interchangeable; colors red, white or black. Bodies in white or white (bass size). Specify type of head and choice of colors for head and body. Price varies with light. Standard hook value is \$1.00 extra. Circular, \$1.00 extra.

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Make every cast a weedless cast, with

MASTER WEEDLESS WIGGLERS

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MAGNETIC METAL

WEEDLESS—COPPER

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Here is a bait that shuns all weeds

that is a different story. There you can go as light as you want—depending of course on the fish you're seeking at the moment. For blues and weaks on light trolling tackle, the 6 and 9 thread will be strong enough. The same sizes are right for small stripers up to fifteen pounds or so. For school tuna—the 10 to 40 pounders—we would not recommend much less than 15 thread with 18 to 21 being a better bet. The 15 is a good size for 20 to 30 Lb. pollock if you are using a medium boat rod. In all cases the rod has a good deal to do with the size of line as there is a balance between rod and line in salt water fishing—even trolling—just as there is in fly fishing. For example, if you're using light lines—6 to 12 thread—you'll want a fairly limber rod to help absorb the shock of sudden hard strikes or rustles.

If you are going offshore for some of those giant bluefins that have been holding the limelight of late years all along the Atlantic coast from New Jersey to Nova Scotia, you'll want to go no finer than the 24 thread size—and that only for the hundred pounders. Where you're trolling a mackerel, fresh squid or chumming and using herring for bait for those big blue torpedoes which run from 300 pounds and up, we'd not trust anything less than 39 thread with the 54 thread for beginners who may be apt to hold 'em tight.

As to length of line for blues, stripers and weaks, we'd set an absolute minimum of 200 yards—this whether you use 6, 9, 12, 15 or 18 thread for your surf casting jaunts. We've seen stripers of around forty pounds pick up a bait at the end of an eighty-yard-cast and go for another hundred before they could be turned; and under such circum-



The guide exhibits the Nova Scotian chum-line while the angler pumps a tuna

stances the balance of 20 yards of line left on your reel spool seems little enough. For tuna fishing for those leviathans, you'll want to fill your 10/0 or 12/0 reel right up until you have only a comfortable margin left between the cross bars and the line. We had one tuna hit one of our outriggers a couple of years ago and take so much of 500 yards of line from our reel that the spool was no bigger around than your thumb when the fish slackened off. Plenty of line is a good rule.

NEXT MONTH

Be sure to see this Department next month when Breems Forrest will give you more helpful fishing tips.



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Be prepared for every glorious fishing opportunity! Have the right rod for each kind of fishing. The TRUE TEMPER Professional Casting Rod for small mouth bass, the TRUE TEMPER Toledo Casting Rod for muskellunge, minnows and trout. A TRUE TEMPER Trolling Rod for lake trout and pike, and the TRUE TEMPER TRUE TEMPER Fly Rod for brook trout, rainbows, steelhead and small mouth bass.

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TRUE TEMPER Fly Rods are made in two-piece and three-piece models from seamless tubes of costly super alloy steel, custom drawn and tempered more finely than a surgeon's knife. They are tops in fly rod action and accuracy—light in weight—perfect in balance, and with power to handle lots of line and lots of fish.

The No. 020, illustrated here, is a two-piece rod with improved locking reel band, selected cork grips, tungsten guides silk wound in contrasting colors. It comes in a beautiful gray sanforized (shrink proof) canvas case, with an aluminum tube sewed in to protect the rod tip. Weight: 4½ to 5 oz. each. Each rod is tested for action by an expert fly caster and the proper weight of line for it specified by him.

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Import gut leaders. Weight adjustable to fractions of an ounce. Easy to remove. Will not snare. Twelve sizes, 1/16 to 1/2 oz.

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Detachable. Sizes 1 to 7/0, any make hook, short or long. Weight adjustable to fractions of an ounce. Two Guards with Hook, 10c. No. 1 Card—up to 3/0 hooks. No. 2 Card—up to 7/0 hooks.

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least two dozen precious hen fruit—does not matter so much as the fact that my wet moccasins, the slippery rocks plus my usual awkwardness resulted in my feet suddenly shooting up into the air. The crate of eggs seemed to take wings—but only momentarily before landing with a liquid crash which I can still hear. We named the carry Eggshell Portage and breakfasted on fish for the next four days. Such an accident would not have to happen today with the procurability of egg powders which need only the addition of water—canned milk if you prefer—heat, stir, and eat as fine a mess of scrambled eggs as you could desire.

Still again, the camp cook's job is very much enlightened by prepared flours which need nothing more than a dash of water, a quick stir and a reflector oven in order to turn out delicious and fluffy biscuits.

Not too many years ago, campers went without milk or cream unless they happened to be taking a trip through a farming country where they could buy an occasional bottle from a local farmer. But now you have not only canned liquid milk but your choice of liquid, sweetened cream, or powdered milk. If Neanderthal man could return just long enough to sit beside our evening campfire for a meal, his eyes would bug out so that you could lasso 'em. Milk from a can instead of a cow! Fresh vegetables which have held their tastiness inside of a sealed and sanitary can for months. Concentrated powders which need only hot water to transform them into magical soups . . . not to mention fire from white-or-red headed toothpicks. Spices from every corner of the earth to help make the fresh-caught fish or meat more appetizing to the most listless palate.

All these things are as handy as your telephone or the nearest store or mailbox. There are a great many stores or outfitters who, if you will tell them that there are three in your party and that you expect to be in the woods for two weeks, will make up your grub list complete from the soup course to desserts. Furthermore many of these places will have these packed for canoe or packtravel and shipped to your point of departure. That is service—the kind of service to which we can give a hearty nod of approval plus a vote of thanks for the advancements in the manufacture, and merchandising of our food products of today. In home or in camp, perhaps too few of us have realized the remarkable improvements in food retailing which make our indoor and outdoor meals tastier, easier and happier ones.

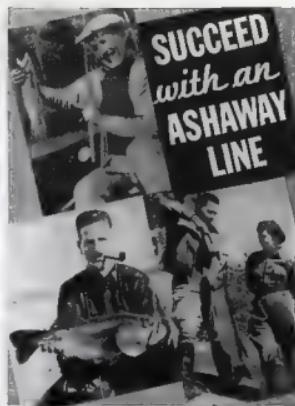
In fact, our greatest worry, as the men of the family, is in giving assent to what we want to eat and in choosing from the greatest variety of foods ever offered to any civilization.

PLAYFUL BRUTUS

(Continued from page 9)

an ear-splitting bellow broke the hushed stillness of the winter day. Both men stopped in their tracks, thunderstruck. "My God!" gasped John, looking at Frank. "What was that?"

Wide-eyed, Frank stared back. Another deep-chested rumble came from the clump of trees followed immediately by the crashing charge of some huge animal—and two thousand pounds of fighting red bull burst into the open.



Top: S. H. Howard—Ogoki River, Ont., speckled trout. Left: A. M. Lamond—South Carolina, black bass. Right: Mr. and Mrs. E. R. Rail—Lake of the Woods, Ont., muscalonge.

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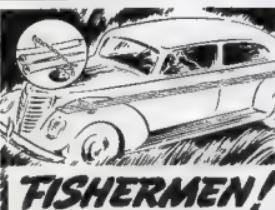
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careful hand sewing!

No sportsman's boot is better than its seams. And Bass two-way locked seams hold like grim death. Just one more important Bass detail that looks big in the longer life of your sturdy Bass outdoor footwear.

Send for details in our free catalogue. G. H. Bass & Co., 35 Canal St., Wilton, Maine.

BASS Moccasins

MAY, 1939

FISHERMEN prefer this 2 ACTIONS IN 1 BAIT! NEW BAIT!



NEW! STREAMLINED! EXCITING! NEW
DAYS ARE HERE! FISHING is the
sport by storm! WEEZEL Fastered Minnows
are sensations in all sections. For all game
fish, salt or fresh water, there is nothing like them.
Easiest casting lure ever made!

Three weights: (A) STING, 1/4 oz., 10 colors, price \$1 each
FLY ROD, 1/2 oz., 11 colors, price 60¢ each
MUSKIE-SALMON LURE, 1/4 oz., 10 colors, price \$1 each
each weight can't catch what we can. If you
mention the dealer's name when you send in the order
FREE folder shows baits in full natural colors. Write at
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Dept. N, Disney St., Oakley, Cincinnati, Ohio

WEEZEL LURES

Bill DeWitt TRANSPARENT FLY and LURE EYES



YOU LOOK RIGHT THROUGH THEM

Bill DeWitt transparent boxes are a boon to fishermen. You can see right through them to the fly, lure or plug stands out clearly. No dark corners.

Made of tough, resilient, transparent Pyra-Shell with patented ribbed construction. Strong and durable—yet weigh only 3 ounces.

Series 26—5 models, \$2.00 ea. postpaid.
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No. 26A—for small flies. No. 26C—for plugs.
No. 26D—illustrated for plugs & spinners.

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AMAZING BARGAINS NOW!

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by Larry St. John

One of the best books on the art
of bait casting containing information
on how to cast all kinds of baits—
newspaper, newspaper articles and
instruction for the beginner at this game. Bound
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Slip-on RAINCOATS. My chest measure is _____ inches.

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ADDRESS



It was one of those critical seconds when the mind works at top speed, taking in everything in one moment. The bull was coming—and he was coming at them full force. For a split second both men stood immobile, hardly breathing. Simultaneously they glanced around for some refuge; a tree, anything.

But there was nothing. They were in the center of the field. There were no trees near enough to do them any good, and the fence was far away—too far away. In a panic, Frank threw up his gun and emptied both barrels at the charging animal, still a distance away. It was a futile gesture. Might as well try to stop an express train with salt as that ton of mad bull with bird shot at that distance.

The bull came on, unchecked.

Completely panicky now, John and Frank turned in headlong flight, all else forgotten but escape from those vicious-looking horns. Gored by a mad bull! It was gruesome in its terrible reality. With a sinking premonition they knew it was hopeless—that fight. The bull was coming at a terrific pace and at least one of them must go down before his furious charge. Stark terror lent super-human speed to their feet, but even that would not be enough.

With a joyous "Yelp! Yelp!" Brutus sprang out of nowhere and headed straight into that furious charge. Disconcerted, the bull swerved; then pivoted in his tracks with a supple deftness which was almost unbelievable, so sure and abrupt was it. Then with lowered head the bull charged Brutus who leaped nimbly aside nipping playfully at the animal's hoof.

Brutus was in his element!

John and Frank saw all this as they raced madly for the pasture fence. They scrambled through, John leaving a goodly portion of his hunting trousers on the barbs. They turned only when they reached the shelter of a huge oak. The bull, maddened and frustrated by Brutus, had just deserted the fray and charged back into the growth of scrub trees. Brutus, tired, trotted across in sight to John's frantic calls.

With mingled emotions the hunters looked down at Brutus when he flopped on his haunches before them. It had been a narrow squeak, that charge. But for Brutus! They were still trembling from the reaction. Frank sat down weakly, his knees suddenly unable to hold him longer.

"You know," John said uncertainly, wiping the cold beads of sweat from his face, "I said Brutus had a sense of humor." John looked critically into the quizzical face of the dog, as Brutus cocked his head to one side. "And dammit, Frank, if I don't believe that dog is laughing at us!"

End.

FIRST CLASS SPORTSMAN

(Continued from page 10)

his rod. As he went under, the last thing to disappear was his scarred old pipe, which belched out a cloud of smoke and ashes as the cold water engulfed him.

Luckily the water swirled in toward the rock and held him close to the bank, so I was able to grab his free hand when he came up, and help him back on the rock. Pausing only to turn his soaked pipe upside down, he continued to play the fish.

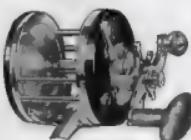
Getting the two fish to enter the shallow stream was no easy matter. Several times

New THRILLS

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by *New Reels*
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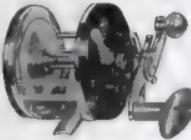
These new reels for 1939 are packed with new thrill giving features. Go to your favorite dealer and ask to see these new reels, get the "feel" of their new speed—notice their new beauty. See how the "Oelite" self lubricating bearings and other ultra new oiling features make it unnecessary to take them apart to oil. Note how the new Torpedo handles give greater ease in handling. See the many other features—all explained in our new catalog—send for one—it's FREE.

OCEAN CITY CITY REEL



BAY CITY REEL

Famous star drag reel. Made in six sizes 100, 150, 200, 250, 300, 400 yards. Price from \$5.00.



The 400 yard sizes of the above two reels are quite popular and inexpensive for deep sea fishing. The Bay City 400 yard size is only \$7.50.

WANIAKI FLY REEL

The popular priced quality fly reel. Unusually sturdy and light in weight. Made of cast aluminum black satin finish. 60 yard size \$1.25. 100 yard size \$1.50.

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616 BUCKINGHAM BLDG., CHICAGO, ILL.



Ashaway Introduces Line

Demonstrated at Chicago, Boston and New York Sportsmen's Shows a new bait-casting line made of nylon has aroused interest and favorable comment among fishermen visiting the Ashaway Line & Twine Manufacturing Company's exhibit.

Nylon, a chemically developed product produced by the du Pont Company, looks and acts like silk, and is just as pliable besides being exceptionally strong and durable. A waterproofed black line for both bait casting and trolling has been developed. This is available in various test strengths. Untreated bait casting lines of the same material will be available in two colors. Outdoor Green and White.

Flatfish Family Grows



Bait casters, who welcomed the Flatfish two years ago when it was introduced by the Helin Tackle Company, will be glad to learn that the Mz musky-lake trout model is being put out this year in addition to the four standard models. There are also two new fly rod sizes, F7, 1/12 ounce and F6, 1/16 ounce respectively. These new models have only two number 12 offset hooks.

Vitamins for Dogs

A new product, "Vitapets," a supplement to the dog's daily diet, has been added to the famous Sergeant's line, it is announced by the Polk Miller Products Corporation. After a long period of research and dog feeding this product, in the form of a small capsule, is put upon the market.

Medical research has proved that vitamins are as important to dogs as to man and lack of certain vitamins is said to cause diseases in dogs just as vitamin deficiency can result in serious human ailments. Vitapets contain vitamins A, D, B, all of which are important in the dog's regular diet.

Steel Leader

Guarded to add 50% to the strength of all lines and do away with breaking at the knots is L. A. Kraft's new stainless steel leader being introduced this season.

Hook Guard and Sinker

Two new items that warrant a place in the tackle box this spring are the Snapz-On Hook Guard and the Raparound Invisible Ribbon Sinker, both being marketed by Pachner & Koller.

The Snapz-On is a detachable guard that makes nearly all types of fishhooks weedless. It differs from other similar devices as it breaks down on the strike so that guard arms do not interfere with unhooking of the fish. It can immediately be snapped back into position.

The new sinker is a thin leaden ribbon easily and quickly attached by wrapping around the leader or line close to the hook.

Photo Catalog

Burke and James announce that an 80 page catalog of photo supplies and information is available for the asking. This catalog gives a complete listing of the latest type of equipment.

WHAT'S NEW?

Look-Alive Minnow

E. H. Peckinbaugh, master creator of hand-made lures, has just announced a new fly rod lure made in six lifelike baby fish patterns that make bass, wall-eyes, trout, salmon and other game fish striking crazy. A catalog of record catching bait and fly casting lures is available upon request.

Tuf-Foot

Your bound or pet dog is only as good as his feet. Tuf-Foot is a special preparation for toughening the pads yet sufficiently pliable not to crack under the most trying conditions. It is easily applied and absolutely harmless.

Fish Pole Clamps

An inexpensive fish pole carrier that can be quickly attached to side or top of car fills a real need for sportsmen. These Auto-Klamps are being introduced by Snyder Distributing Company. No tools are required for attachment.

Instant Firelighter

A new type of highly impregnated wood fire lighter being introduced by the Nevelor Bearing Co. will be of great value to every sportsman whether he camps outdoors or in a cottage. The lighters come attractively packaged two dozen in a box and are guaranteed to light instantly and not to be affected by moisture.

Portage Metal Boat



A revolutionary new light weight metal boat being built by the Star Tank and Boat Company is the Star Portage, weighing only 50 pounds. One person can easily handle it alone. It can be carried on top of any automobile. Sturdy 16 gauge Dometal is used in the construction. This metal weighs one-third less than aluminum and is the strongest light weight metal known. The Portage has large air tanks and is said to be the only light weight boat that is non-sinkable, is ideal either for rowing or use with outboard motor.

Non-Skid Gripper

The sportsman who fishes slippery streams, especially in the spring, will need the Non-Skid Shoe Gripper being introduced by the Enes Company. These are fine too for walking on slippery streets and roads or through snowy, wet woodlands.

Metalive Bait

The Swanberg Metalive bait (patents pending) is an unusually designed fishing lure with body shaped from a single piece of seamless brass tubing efficiently sealed to provide air chambers. It has a lifelike and vigorous swimming action, is non-revolving and Julius Swanberg, the originator, says it positively will not twist the line.

Readers wishing further information about products mentioned in this column may address inquiries to "What's New," 275 Newbury St., Boston, Mass.

REDUCED LOADS

NEARLY one-fifth of the 3,070 counties in the United States shared in the distribution of receipts paid into the U. S. Treasury last year by the 158 National Forests administered by the Forest Service and the U. S. Department of Agriculture. Cash receipts amounted to \$4,671,133 of which twenty-five per cent was turned over to 38 States, as well as Alaska and Puerto Rico.

The Alaska brown bear, largest carnivorous animal in the world, will be protected from the danger of extirpation according to Dr. H. L. Shantz, Chief of the Division of Wildlife Management of the U. S. Forest Service. The bear, regarded as a symbol of the land in the Tongass National Forest, will protect this king of American game animals which shares honors with the lion of Africa and the tiger of India as a sportman's trophy.

DR. M. MICHAEL OXNER, famous European ichthyologist at Europe's oldest aquarium Monte Carlo has trained his charges to recognize color and to swim through hoops. By painstaking coaching, Dr. Oxner has trained enough of the tiny tribe to put on a marine circus for the amusement of aquarium visitors.

SPORTSMEN of the United States and Alaska had a total of \$11,418,000 for 8,090,010 hunting licenses in 1935, latest year for which national figures are available. Licenses retiring for the country as a whole were nearly a million more than the previous year.

SCIENTISTS of the U. S. Biological Survey and the University of Alaska have bred reindeer and caribou together, the result being a "cardeer," an animal from 50 to 100 pounds heavier than the reindeer.

PENNSYLVANIA Commissioner of Fisheries, F. C. Gandy, has announced that the state conservation department of that state stocked Pennsylvania waters with approximately 174 tons of trout, brook, brown and rainbow. It required an average of 8.25 pounds of feed to produce a pound of trout at an average cost of approximately 5.3 cents per pound of trout.

CENSUS reports show that feeding America's pet dogs has become big business. The annual dog food production of the country is in excess of half a billion pounds and is valued at more than \$24,000,000, the Institute of American Meat Packers reports.

THE BELIEF that snakes swallow their young to protect them when danger is near is a myth. This belief gives the snake credit for a well-developed maternal instinct which does not exist. The young are born and might swallow the young, but only because the offspring were regarded as so much food.

ACCORDING to J. N. "Ding" Darling, former President of the National Wildlife Federation, "A survey of (our country's) depleted resources forest, fish, life, fowl, sea and water, leaves no question but that millions that make up more than 11,000,000 unemployed on the roads today could be put back to work if the renewable resources were where they belonged."

A TOTAL of 8,737 special stamps for hunting and fishing in the National Forests of the southeastern part of Virginia were sold during the last six months of 1938, proof of the popularity of this area with sportsmen. The revenue from the sale of the stamps will be used for the restoration and protection of wildlife within the area.

A 310-POUND wild Prussian boar treed a party of bow-and-arrow hunters near Tellico Plains, Tenn. recently, but was finally felled by a six-time broadhead propelled by the 30 pound pull bow of Tom McNish, Madison, Tenn. lumberman.

THE MINNESOTA legislature is considering a proposal for reduction of the non-resident fishing license in state from \$4 to \$3. In addition, non-resident family members would be issued for \$4.50, instead of the present requirement that each member purchase a \$4 license. Non-resident children younger than 18 would not be required to purchase a fishing license under the approved legislative proposal.

A MINISTER was baptizing converts in a stream near Cushing, Okla. Just as one man was about to be submerged he yelled, "wait a minute" but the preacher continued with the ceremony. When the convert came out of the water he ran his hand into the leg of his trousers and pulled out a good sized catfish.

FATIGUE and stark moving drama is hidden behind the following notice which appeared recently in the *Trading Post* column of the *Boston Evening Transcript*. "For fishing tackle will swing, pair of turquoise moire window draperies."

"This Five Pounder was taken on No. 3 Hawaiian. Best weedless bait I ever used,"
says Odie Miller, Hower's Lake, Ohio.

EXTRA SKIRTS, 15c
(Small, 20 streamers, fit this bait.)

5/8 oz., 75c

No. 3 -- Hawaiian Wiggler

This member of the sensational Hawaiian Wiggler family is stream-lined to squirm through the weeds—a joy to cast—most action you ever saw in the water—12 brilliant finishes—just the best weedless bait ever made! A killer!

The patented metal-tailed rubber Hula Skirt just makes more wiggles than other baits and gets more fish!

My next ads will give more proof of the killing power of my Hawaiians. Give 'em a try yourself. Look up your dealer or send for my new catalog and dope on how to catch more bass.

FRED ARBOGAST - - - 61 North St., Akron, Ohio

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THUMBLESS
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Now anyone can be a good bait caster
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this amazing new Wonderel at your dealer's.

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 Enclosed is \$2.00 for Sportsman's Lighter.
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HAN-D DAN-D
"The Fish-Hook Caddy"
A unique utility box for dry flies, split shot, tackle, etc., with small spinners and frogs held securely. Water-tight and has a slot for a fly rod.
Widened back base enables box to be more firmly seated to keep stable.
Handy Specialties Corp., Utica, N.Y.



WITH AN EVER increasing number of sportsmen, outboard motors have ceased to be items of luxury or conditional equipment. They have not only become indispensable to fishermen, hunters and campers who travel water-ways close to civilization but have also become "musts" in the outfit of deep-woods sportsmen and guides who penetrate the fastnesses of the north, far from the conveniences of service stations, boat liveries and gasoline pumps. This may sound like a paradox to the uninitiated, and heresy to the hyper-esthetic outdoorsman who likes to envision himself an aboriginal Indian gliding down the moon path of a placid lake in his birch bark canoe, with only a paddle for motive power. As regards the latter, it is not our intention disillusion any budding Hiawathas, but it will be found that with woodsmen, trappers and rangers—men with whom the woods is a workshop and not a playground—the outboard motor has long replaced the paddle, and that if you could locate the great, great grandfather of Longfellow's famous hero, you'd probably find him plying the "shining big sea water" with an outboard clamped to his canvas-covered canoe. With the great reduction in motor weights, and the increased mileage per gallon of fuel and dependability of operation developed in recent years, it doesn't take much figuring to work out a "pounds of motor and fuel" to "labor accomplished" ratio which proves the outboard literally worth its weight in gold on a wilderness trip. Whether it's putting the miles behind against head winds and heavy seas, or towing one or more empty or fully loaded canoes or boats, the outboard-powered craft does the job reliably and efficiently.

If the outboard motor has become indispensable to men with whom wilderness travel is a vocation, it is certainly even more of a requisite with sportsmen who go into the woods for a vacation. Of necessity, the majority of these vacation trips are limited as far as time is concerned, but whether it's for two weeks or two months, the motor will more than prove its worth in a dozen different ways. On a long trip, where equipment and supplies add up to considerable poundage, you'll find that even the smallest motors will double or even triple paddling speeds and the extra portage loads which motor and fuel necessitate will more than be offset by time and effort saved while on the water. On the short trip, where it is desirable to get as far back into the bush as possible in a limited length of time, the outboard motor will allow you to do just that. You'll be able to cover in a couple of weeks the territory that it would take a month to navigate by paddle, or you can work your way into some back woods camp site and have ample time to fish and explore once you get there in contrast to spending all your time "on the go" if you paddle to reach your objective. A typical example is the situation presented by an Indiana doctor who writes in part: "Each year my partner and I

BACKWOODS WORK with an OUTBOARD

"I have at present a 1.1 horse power motor which is in good condition with about 20 hours use on it. The canoe which we use is a 'guide model' eighteen-footer built on quite narrow lines. My partner and myself have a total weight of about 360 pounds and our packs at the start weigh around 400 pounds, making a total of 760 pounds. The canoe weighs between 70 and 80 pounds although on some of the portages I believe it hits 200. As you know, in cruising country like this we must carry all our supplies along so weight is an important consideration."

Our correspondent goes on to inquire what mileage could be safely planned with this outfit under ideal conditions, what would

be the most economical speed to run the motor in order to conserve fuel. Also what side bracket to use and how much would it weigh and what spare parts should be taken along.

In analyzing this problem, we feel it would be safe to estimate that, with a 1.1 horse power motor on an eighteen-foot guide's model canoe loaded with 800 pounds, an average speed of about four miles an hour could be comfortably maintained at a fuel consumption of about 25 miles to the gallon. These are minimum figures, as they should be when planning a trip of this kind. As we see it there are two alternatives open to these sportsmen. Either they may run their motor the entire time and pack along sufficient fuel to do so, or they may use the motor to get back into some particular section they wish to cruise and explore, cache it along with enough gasoline for the return trip, and continue on by paddle. Inasmuch as the sportsmen in question have taken previous trips of three or four weeks duration into the Quetico Park region we can naturally assume that they are relatively familiar with the country and have a pretty definite idea of just where they want to head for this year. Therefore, it should be comparatively simple for them to plan an itinerary which would enable them to get the most efficient labor and time saving service from their motor.

If, for instance, they plan to employ the motor as their sole means of locomotion for the entire two weeks it is obvious that more fuel will be needed than if they merely used it to reach a certain objective, or secondary starting point, from whence they will continue on by paddle. Figuring on two weeks continuous usage of the motor we'll assume that exclusive of portaging they won't spend more than six actual hours per day traveling on the water. Of course, if they are really out to take a flying trip and cover as much territory as possible they will probably spend



BOATING

By
Hugh Grey

CANADA CALLS YOU

to fish
HER
TEEMING
WATERS



ENJOY a preview of the fishing trip you have always wanted—the kind that awaits you in friendly, neighbouring Canada. The FISHING SECTION of "Canada Calls You", deluxe travel book with coloured maps and hundreds of dynamic pictures, unfolds a fisherman's paradise to your gaze. On both her coasts and in every Province, Canada's waters teem with hungry, fighting beauties: tuna, salmon, trout, bass, muskies, pickerel. Come north this year for your share but meanwhile, mail coupon below for the book.

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KINGDOM of the SPECKLED TROUT

NINE-TENTHS of all the Province of Quebec—an area of over 300,000 square miles—is in that wilderness we call the Laurentians. An area large enough, by the way, to hold six New York States or more than two Californias, and tucked away in this immense solitude are wooded empires with countless hills and mountains through which course sparkling clear, cold streams teeming with square tailed battlers.

Look down from an airplane and you find—not mountains and valleys—but, mountains and lakes, hundreds and hundreds of which have yet to feel the gentle touch of an artificial fly. I fished one of these for sixty minutes one first of July. A tiny little lake with perhaps ten acres of water surface that yielded 137 speckled trout to two rods in exactly one hour . . . by the clock.

We were two and each using a cast with three flies—a Royal Coachman, Silver Doctor and Dark Montreal. With every cast the water boiled and three at a time were not uncommon. Lac Maximé was the little lake just seventeen miles south of La Tuque. You crossed the St. Maurice—mighty logging river on earth—climbed for three and a half miles and on a high plateau was the lake with the most fish of all my experience.

Rat River by the St. Maurice Valley was called by Charlie de Volpi, a prominent Montreal angling enthusiast, "about as close as one could ever get to what is truthfully described as God's Country." In September of 1938 he and Al Herrgen landed 37 healthy fighting trout from the wharf at Cutaway Lake—still in this famous St. Maurice Valley—using a single Dark Montreal Fly. On this trip the boys picked up a three and a half pound square tailed fellow while trolling with a No. 4 Davis Spinner and a Red Ibis Fly.

Follow these waters up-current until you come to the rugged Matawin and you enter the Saint Michele des Saintes area, a region famed the world over for its *Salvelinus Fontinalis*. It is in this section that I have had my greatest trout fishing.

"Imagine if you can, a section say ten miles square with possibly twenty five lakes and every one with trout in them." "Rave on big fellow, rave on." That was just about the usual conversation as I extolled the virtues of a really great and unusual angling paradise.

TRAVEL Department

The Province of Quebec offers some of the finest of trout fishing—plenty of 'em and of good size as shown by the catch at the left

Yet I know a lake in that Saint Michele area where you can pick up sixty, nine to twelve inch fellows in a day's fishing when they're coming good, and within forty minutes by portage I know another lake where you can get twenty five in an hour—when they really get hungry—and ten of these twenty five will weigh two and a half pounds or better with a couple pulling the scales down to three and a dozen of the fightingest square tails you ever hooked.

Within the hour you can be taken to another lake where I personally pulled out forty two trout averaging two pounds—from daylight to about nine o'clock—and a half a dozen of them rubbed four pounds.

There's a hoodoo lake—as far as I'm concerned—about a fifteen minute hike from this beautiful Lac L'Isle (There are a hundred Lac L'Isles in Northern Quebec) where I know of seventeen trout weighing over five pounds that have been taken. As a matter of fact just last summer one of the guides sent a 27 inch fellow down to a friend of mine. He measured it, but postponed the weighing until he got home only to find his prized specimen (which he was going to have mounted) gracing the table as cutlets.

Why, I do not know, but as far as I am concerned I haven't taken a single fish from this water. Every one of these big fellows was taken with a baited spoon on a troll.

In that prolific Saint Michele des Saintes you can pick your waters. That is, lots of action—and small trout; less action—larger trout; lots of work and maybe a blank; but if you click—big fellows.

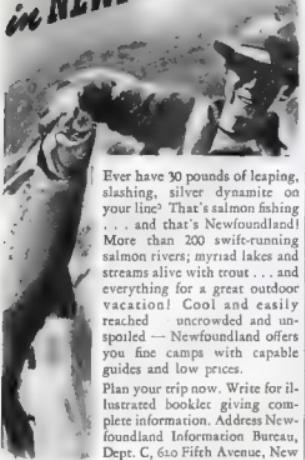
It was in this same part of the Laurentians about thirty miles south and nearer Montreal that 16 year old Bill Flook of New York City experienced the thrill of landing a seven and three quarter pound speckled trout in 1937. The fish was taken from the Lac Sancœur waters of the La Barrière Fish and Game Club by this boy angler. It was 24 inches in length and 17 3/4 inches in girth.

Some of the finest stream fishing in the entire Province is to be found in the Laurentide National Park at an altitude of from 1,200 to 3,400 feet, where one is able to secure the phenomena of good fly fishing right through the summer months. The reason being, the entire absence of minnows and other fish in these waters, compelling the trout to feed upon insect life.

It is an almost unbelievable fact that in this immense area of 4,000 square miles, divided and redivided from boundary to boundary by growing rivers and countless streams, nearly nine-tenths have never been fished—even with a fly. And a motor road leads right through the heart of it.

Ernest E. Shepard.

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Ever have 30 pounds of leaping, slashing, silver dynamite on your line? That's salmon fishing . . . and that's Newfoundland! More than 200 swift-running salmon rivers; myriad lakes and streams alive with trout . . . and everything for a great outdoor vacation! Cool and easily reached uncrowded and unspoiled — Newfoundland offers you fine camps with capable guides and low prices.

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Canada Calls You

Sportsmen are divided into two classes, those who have been to Canada and those who expect to go some day soon. Both classes will welcome Canada's new tourist book, a cleverly planned and well printed book just put out by the Canadian Travel Bureau under the direction of D. Leo Dolan. A redcoated Canadian Mountie marches across the cover against a scenic background. Inside there is a profusion of pictures, many in color, with brief text. There are large, colored maps of the provinces fine enough for framing and a beautiful natural color photograph of the Dionnes. A special section is devoted to Canadian fishing and hunting attractions with photographs that will make every sportsman's heart beat faster.

Wonderful Vacation

I certainly had a wonderful vacation in Montana. The Big Hole River was high and no good for fishing so I did not get the big one to mount this year but am going back again and fish for the big ones in the Big Hole and Jefferson when conditions are right.

I had good fishing in Cliff Lake, west of Yellowstone. You can drive to this lake and there are good camp grounds there. At Wade Lake, next door, there are cabins. Hidden Lake is a three mile hike from Cliff Lake. I caught Rainbows up to three pounds in Cliff Lake and there were plenty of larger ones but natural flies were very plentiful and fishing not as good as it was earlier in the spring. I did not take the hike to Hidden Lake but they say the fish run larger there.

The highlight of my trip was the Madison. Had much better luck than last year and it looked good to see Hebgen Lake full. They were catching a good many there by trolling but I do not care for that type of fishing. Last year I camped at Beaver Creek Camp in the Madison Canyon but this year I camped at Rock Creek a few miles below Beaver Creek. The Salmon flies were hatching between the Canyon and Hutchins Bridge and, after tying flies to imitate them, had some wonderful sport there. I fished up and across the stream with a No. 2 wet fly about the size and color of the Salmon flies and let it float down on a slack line. I caught plenty from one to three pounds, all on barbless hooks, which I returned.

I also had the novelty of catching my first Montana Grayling in Ice Lake between Norris and Canyon Junction in the Yellowstone Park. The lake is well stocked with Grayling and is about a half mile from the road. Grebe Lake in this section has also been heavily stocked with Grayling, so I was told.—L. B. S., Sioux City, Iowa.

Dr. C. B. U., Atlanta, Ga.—One of the best large-mouth bass grounds within striking distance of Atlanta is the string of lakes in the northeastern part of Georgia formed by the power developments of the Georgia Power Company. Best lakes are Burton, Yona, Rabun, Tugalo, and Sead. Nacoochee Lake and the Tallulah River are also good producers. Boats and guides are available on all the power lakes; overnight accommodations may be obtained at Clarkesville, Clayton, Lakemont or Tiger from which the fishing grounds may be easily reached. This district is about 90 miles from Atlanta and U. S. Route 23 will take you right through the heart of it.

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Above: The Leitz rangefinder.

Right: The Eastman pocket rangefinder. Note simplicity of use. The left view, range not properly determined. Right view, split image matches. Range may then be read from the dial.

**LENSSES
and
RANGE FINDERS**

AS PREVIOUSLY stated, if the movie enthusiast is to have but one lens on his camera, it had best be a fixed focus type, either f3.5 or f2.5. Higher speed lenses than these are frequently desirable for particular purposes but should always be considered as auxiliary equipment.

Why the ultra-high speed lenses?

Chiefly because 8mm movie film is comparatively slow if you match it against some of the ultra-speed films available for miniature cameras. Most of these miniature cameras take a picture at least one inch deep and usually slightly wider. To enlarge to 8 x 10 size requires enlargement of only eight diameters. In 8mm movie film in projection on a standard 30 x 40 inch screen the film is enlarged to about 320 diameters. Such a tiny image if made on some of the ultra high speed films available would be so grainy under that tremendous magnification that it would be useless.

You may find this table useful.

For rating camera lenses, an f4.5 lens has the same speed whether it be a tiny 8mm/f4.5 lens or a big lens of the same speed rating for 5 x 7 Grafex. Accordingly, lens speeds can be compared as follows: Beginning with f32 each succeeding stop will be equivalent to twice the speed of light passing through it; f32, f22, f16, f11, f8, f5.6, f4, f2.9, f2, and f1.4. In other words, f1.4 would be twice as fast as an f2 which in turn would be twice as fast as an f2.9; or, f1.4 would therefore be four times as fast as an f2.9 and eight times as fast as f4.

Regarding the speed of film.

Kodachrome in any size of roll film from 8mm through to miniature camera sizes has a daylight rating under the Weston system of 8 or the same as their standard Panchromatic 8mm film. The new Agfa Super Pan Press roll film has a rating of 100 as has the new Eastman Triple X Pan.

In other words, this high speed miniature camera film is something like twelve times as fast and therefore a slower lens opening can be used with the same film illumination. Since you cannot get the fast film for the 8mm camera, you have to compensate for this by using a fast lens.

For closeup work where sharpness of detail is desired, a focusing mount lens is necessary. Most of the higher speed movie camera lenses are focusing mount types. Fv-

HOME MOVIES

By
Philip B. Sharpe



treme care must be taken to see that they are reasonably well focused for the particular range in question. Otherwise, unsatisfactory detail in the picture will result.

One focusing lens for one of my movie cameras is before me as I write. This is an f1.9 lens with stops of f2.7, f4, f5.6, f8, f11, and f16. Focusing scales show markings indicating a range of 1 foot, 2 feet, 3 feet, 4 feet, 6 feet, 8 feet, 12, 25, and infinity.

Since this is a short focus lens—all standard 8mm lenses have a focal length of approximately $\frac{1}{2}$ " (15mm)—the depth of focus is far greater than in lenses designed for the average miniature camera having a focal length of approximately 3 inches up. This depth of focus problem is of major importance as it controls the results that you get where you do not estimate range with extreme accuracy.

Depth of focus is a term used to indicate the area or distance—near to far—for which a lens will render sharp definition. Theoretically, there is only one exact point that is absolutely sharp, but for practical purposes we have a certain area in the subject matter which is reasonably sharp. The depth of this focus increases as the size of the aperture of the lens or the focal length increases.

Short focus lenses, of course, have greater depth. It is the law of optics that all lenses having the same speed and focal length shall have the same depth of focus.

With this f1.9 lens wide open at a distance of two feet, sharp definition is obtained at ranges from 1.1 to 2.2 feet. If that lens is stopped down to f8, reasonably sharp focus is obtained at ranges of 1.6 to 3.2 feet at the same two-foot setting.

When set at 10 feet with the lens wide open, the depth of focus ranges from 6.11 to 18.0 feet and if stopped down to f8 the image will be sharp from 3.5 feet to infinity, in other words, at all ranges from $\frac{3}{4}$ feet. The same lens when set on 25 feet is sharp at all ranges from 11.0 feet to infinity when wide open and if set at 50 feet or infinity is sharp at all ranges from about 6 feet on. If stopped down to f8 and set at 25 feet, it would be sharp from 4.7 feet to infinity.

It will thus be seen that for average work, the fixed focus type lens is more desirable.

Telephoto lenses are also to be classed as auxiliary and should never be used except



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for special purposes. A telephoto lens on an 8mm camera having a one inch focal length magnifies the image to two diameters and for a 1 1/2 inch focal length to three diameters. The depth of focus decreases tremendously so that these must be focused carefully. Also the magnification is quite great and a tripod is usually desirable or the picture will appear to dance from normal vibrations in the body of the photographer.

Auxiliary lenses should be handled with extreme care to prevent damage. Never carry them loose in the pocket so that they pick up dust and dirt. A dusty lens or one with fingermarks on it will give very poor pictures.

A good grade of lens cleaning tissue should be carried and care should be taken in wiping a lens so that scratches are not left on the highly polished surfaces.

All of which brings up the problem of a suitable carrying case for cameras. The most practical case for cameras and accessories is made from a lady's low priced overnight case, usually obtainable for less than \$1.00 at various stores. Get a small one and remove the interior lining. About a yard of inexpensive felt may be purchased to properly line this for protection. Scraps of $\frac{1}{8}$ inch plywood can be obtained from any lumber supply house practically for the asking and the interior of the case may be built according to the individual ideas of the owner.

These little partitions are glued in place quite readily and the entire unit coated with glue and sheets of green or other colored felt carefully attached to make a finished appearance and offer protection to the various accessories. If lenses are kept in their original boxes, little compartments may be made to hold each one. If you take color pictures—and what amateur does not want to try some color film—you can have compartments for three rolls of ordinary black and white film and three more for your color film.

Since the 50-foot rolls are exposed one-half at a time, you don't need to use an entire 50 feet to change from one type of film to the other. Merely take a half exposed roll, drop it in its original container and switch to the other roll of film. Each of these films will be perforated on the ends "half-exposed" so there should be no confusion on this score. Build your case to contain range finders, several lens, cleaning supplies, spare films, filters, and a photo meter. Furthermore, needed accessories are rarely "misplaced" if you include room for them.

There are several range finders on the market. One of the excellent distance meters is the Leitz. This small pocket instrument is pointed at the object and the dial rotated to align the image seen in a small clear circle with a green colored image. The distance is then read in feet from the dial setting and the lens properly adjusted.

Another useful type is the pocket range finder by Eastman. This is also very simple to use as one merely looks through it and rotates it by dial. The image is split across the center and does not line up until the dial is rotated as per the illustration. When the two halves are matched the dial reading is obtained and the lens set accordingly. Both of these types are extremely simple to use and require no particular skill. Use of a range finder eliminates guess work and produces clear, sharp pictures. Watch for "exposure meters" next month!



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SHELTERS and SUCH

HERE are a number of camping odds and ends that simply refuse to fit into the orderly progress of events. As an example, if an expert on tents takes ten thousand words to discuss models and their usage and then gets caught out in the woods some dark and stormy night without shelter, well, he's in the same fix as the non-expert. Some years ago K and I were walk-hunting our way into a deer camp with our plunder trailing us via team and buckboard. The wagon driver lost his road; we lost our bearings and when three spaced rifle shots guided us toward the shack along about ten o'clock that night we had a pretty good shelter arranged and the night wouldn't have been unbearable regardless of our lack of blankets.

It can happen on the best regulated camping trips. For instance, if a man gets lost in late afternoon it's preferable to den up at darkness rather than blunder on. A shelter regardless of its simplicity is better than no shelter at all.

We've got a natural instinct in preparing night camp—witness the neighborhood kids digging caves in vacant city lots or constructing horse weed tepees beside the town creek. It comes natural to them and their planning is sound. However in the woods you can generally improve on the horse weed affair but the cave is pretty hard to beat. We've all seen pictures of the lean-to or half wedge shelter constructed simply by slanting cut boughs against a head high improvised ridge pole. It's the poorest attempt of several possible. Spruce—hemlock and cedar are used to form the rough thatch roof. Of the three, cedar is the best but rain will certainly get through them all. If you bivouac near a stand of clean, close growing hemlock, eight to ten inches in diameter you can peel bark much as you do with birch, lay slabs outside the lean-to frame work thereby producing a reasonably weather tight shelter. It's not a bad makeshift if circumstances place the hemlock stand at your disposal and you're in country where the waste is warranted. Incidentally as identification, hemlock has the willowy fern-like evergreen foliage—cedar, the flat green leaf—spruce is the standard Christmas tree.

Cedar Lean-to

In the absence of rain a cedar lean-to does pretty well if constructed on a slope out of the wind so that fire heat can be reflected. Of course it's merely a cubby, a spot to crawl into and

keep warm until time to travel on. It's a good plan to fill the floor space with cut boughs banked against a log placed to serve as a back rest. Then rather than stretch full out, take your rest as you would in an easy chair. Doze a while—then tend fire—then doze. Cat napping incidentally isn't unrestful. Army men on continual guard duty have found that brief occasional slumber between periods of standing post is no hardship.

If the forced camper gets in a real tough spot however, he's wise to follow the action of the vacant lot cave digger. A cleft in a rocky bank or a natural depression in a sandy one is the thing to look for in the event of heavy blowing rain or snow. In flat country this most often means heading for a stream.

An extremely small cubby with a fire out front will keep a man dry and keeping dry is the most important consideration. More important than sleep. But don't choose a lean-to as the basis of an emergency camp when in a rain. It may be dry for an hour or so but after that it's almost worse than the wide open spaces. A rock ledge out of the wind on the other hand can often be comfortable by the addition of a few bark slabs or a thatch of the flat-leaved cedar. Lay in a good supply of wood before dark—always.

Pack Suggestions

Here's another camper's pain that shouldn't occur in the orderly outfit but does. And I'm thinking of it because I recently recommended a northwestern type pack for a chap who wished to economize and desired a general service pack. The northwestern is a general carryall and used extensively. You can pack everything from cement to shredded wheat in the ample carrying space. But it has the disadvantage of not being divided into compartments. For the exclusive on foot hiker it's a poor compromise. If utilized to carry the cook outfit, equip it with a separate light weight canvas bag. Otherwise the black from the cooking pots will in time smear all other plunder. Really the cook utensil bag is a worthy addition to any outfit regardless of separate pack compartments.

Auto Outfit

Auto campers in volume get out on week end trips earlier than any other group. With modern car trunk space the entire outfit can be stowed without cluttering up the car—hence you can al-

ways be ready to go on a moment's notice. If you are fortunate enough to own one of these nomad autos equipped with a bed to be made up on the rear seats, you're fixed. If not, the average outfit reads something like this.

One umbrella tent with floor cloth and awning extension (this last important)

Two folding cots

One folding table

One folding gasoline stove with folding legs

A nested cook kit in a case

With such an outfit you can fold yourself in behind the wheel and head out for a trout stream anytime.

Camp Talks on Odds and Ends

—If you keep forgetting (as I do), now's the time to add a small whetstone to the pack.

—A small flashlight and a folding candle lantern plus three or four candles makes the best combination for illumination.

—Stock up on bug dope. Wear clothes that cover all but hands and face. Gloves and a head net complete protection.

—The first act of preparing a meal is too often slapping a blob of grease in the fry pan. Try broiling fish and meats every other time you reach for the grease bucket.

—Sandpaper your paddle handles. Trim off the broomed out tips.

—Don't dry leather too close to the flame.

—Take your time with the broiling fire—let the coals get down to a smokeless red. Use hardwood—not the evergreens.

—Best to boil all drinking water until you're a long way into virgin country.

—Put fires out with water. Only exception the desert. Cover with sand.

Water and Ice Chest

General equipment for the auto camper (cooks, outfit, sleeping, etc.) follows the standard pattern although more leeway is allowable on weight and bulk than almost any other method of travel. But drinking water can be a problem. I think you can buy a combination ice box, water can outfit but I had mine made. It's a light weight insulated box twenty-eight inches long, fourteen wide, eighteen high. One end contains a four gallon water can with spigot. The rest of it is an ice chest with a counter sunk drain plug. The lid of this box fastens with ten cent store shoot bolts and is equipped with web handles. If you travel with ice in it the drain spigot remains closed. In camp (it generally remains permanently in the rear trunk) the end of the box containing drain is hoisted far enough out of the trunk so the open ice drain drips on the ground. On some trips we've never used this gadget but on others it's been a joy.

There are always trips that stand out in memory above all others. It may be Quebec—British Columbia—Wisconsin. O. F. and explored the southern shore of Lake Superior one year. It was our best jaunt. We got stuck in the sand a hundred and four times. But we always got out. I'll never forget the "coasters" in the mouth of the Two Hearted River when the south wind blew a gale. And chats beside a driftwood fire with the Coast Guard lads.

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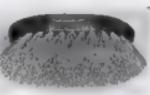
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No Cost Pack Basket

Here's a nifty, economical, comfort stunt that you may know about. When you purchase your grub, select an empty cardboard carton in the grocery store room, one that will just fit inside your northwestern type pack sack. Place your food in the carton and you have all the advantages of the woven packbasket in that the cardboard serves as padding for the can of beans that will insist on working slaunchwise and gouging your spinal column. Best part is that as your stock diminishes the carton may be cut down to size or thrown away.



"Okay, smarty, it's a bit late, but now I'll tell you how you're supposed to climb a fence with a gun!"

Order in Camp

Order, or camp discipline, is no chore. It should instead be a matter of pride. Aside from that, order in camp increases the general efficiency of cook, tent-pitcher and wood-chopper, not to mention heightening the *esprits de corps* of the entire expedition.

Lay out your cooking tools, neatly arranged, where you can reach everything from a kneeling position at the fire. When the tent is pitched, lay out the blankets at once, rolling them forward, away from the door, so that they won't be mussed when anyone comes in or out, and so that at night they may be rolled down quickly for use.

Always wash the dishes at once after a meal. Let the cook hang his kettle of water to heat before serving the meal.

Always dispose of refuse by burying it, or placing it far enough from camp so it will never be revealed to the eye or the nostrils, and so that no flies will gather.

If you walked into a camp and found dirty dishes, a heap of rumpled blankets, and a litter of tin cans, you would mark that outfit's personnel as a bunch of slugs, and you'd very likely be right.

But cooking can be done with immunity on a sand beach, if the cook is careful, and if his friends resist the temptation of lurking too close to the fire. Sand beaches, aside from being beautiful and serene, are clean-looking, and nice to swim from in the morning, and present a minimum fire hazard.



Phil Sharpe is mighty busy these days answering hundreds of letters from Hunting & Fishing readers

ARMS and Ammunition

MANY THANKS

MANY THANKS for your excellent letters of suggestion as to what you want in your firearms department. We asked you about this some three months ago and since that time we have been flooded with letters varying from two or three paragraphs to eight pages long.

Each day three or four strangers would stumble up to our office door carrying the well-worn and bedraggled postman. After he dumped the most of his load on our desk or in the middle of the floor and enjoyed a brief rest, he was ready to carry on with the remainder of his route. Then our troubles began.

We promised you we would read every letter coming in and we did that! Sorry it was impossible to acknowledge the vast majority of them but we so stated when requesting your comments.

Practically every subject of interest to firearms enthusiasts ranging from plinking guns around the farm to the biggest of big game rifles and from requests for simple data up to the most technical were included in the suggestions. We anticipated all this and just wanted to be sure what you wanted. Accordingly, our departments will be framed in an effort to satisfy the majority of our good friends.

Hundreds of those letters are worth publishing. They contain excellent ideas and many of them a great deal of information. But to publish them all would require several volumes.

One of these contained some ideas worth passing along and we are doing just this. Any reader who cares to comment on either side of any of the many questions involved is welcome to do so. We'll be glad to listen to it.

Extracts from this very lengthy epistle, covering some eight large pages of carefully written long



Miss Marjorie Bates, Oregon's "Ideal Girl of 1938", captains the University of Oregon's Girl Rifle Team

hand, sum up the writings of hundreds of our readers. They run contrary to those of many others. What do you think of them?

This chap living in Union City, Pennsylvania, in the heart of the excellent deer region, is unknown to your firearms editor, although his surrounding country and hunting territory is quite familiar. This, he suggested, was his maiden attempt at the "letters-to-the-editor" art. He writes:

"Dear Editor: It has long been my pet peeve that gun editors as a group were thinking in terms of high class and equally as high priced target and match guns or in terms of Kodiauk bear, moose, and elephant-killing rifles. My contention is that an infinitely small share of the magazine reading sportsmen have ever had the opportunity to hunt in Alaska, Canada, or Africa. In the other group, I'd venture that 95% of all sportsmen will never see game of the type mentioned except in books.

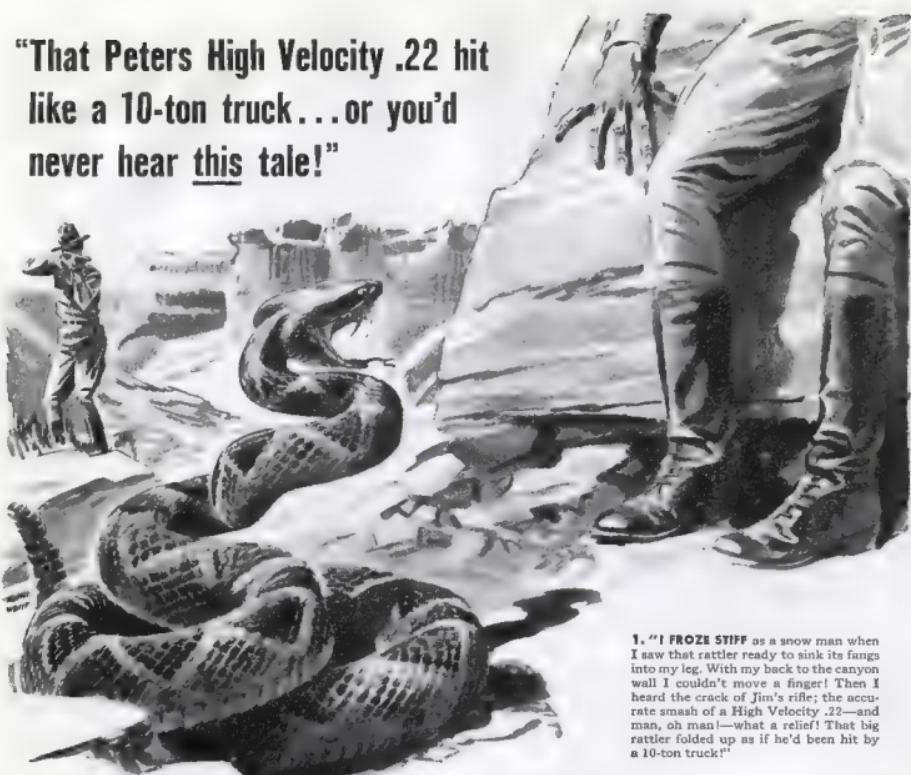
"A sportsman reads an ocean of fine material about the proper range, the right spot to hit, the ideal weather, the correct equipment, the approved load to use for hunting moose or elephant and the next morning hires himself out to pot a woodchuck, a prairie dog, or a squirrel.

"True, some people like to read of the joys they will never experience themselves. However, a venture in a far off land does not appeal to everyone, particularly those who realize there is good material at home. Personally, I revel more in a darned good tale of hunting in Pennsylvania than all of the elephant hunting stories in the whole universe. Don't get me wrong. Had I the chance I would be chasing the foreign game too. Few of us will have that opportunity though.

"Let's consider the past season. In Pennsylvania there were 650,000 licensed hunters of which 500,000 or more were deer hunting. In a six-day season 127,000 or more deer were legally killed. That is a real arms of hunters and a real herd of deer. Would any one refute my claims that it is probably the largest arms of hunters and the greatest one season kill in any state or province?"

*Edited by
Phil Sharpe*

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What is not generally known by the average shooter is that about two shots out of ten give a peculiar type of pattern with plenty of holes in it. For years the so called "experts" have offered theories explaining this but it took spark photography to really show the true cause.

The conventional shotgun shell has a wad of thin cardboard over the top of the shot charge over which the mouth of the shell is crimped which closes the paper tube. Spark photography revealed that frequently this card wad got in the way of the shot charge instead of being skidded off as soon as the charge left the muzzle. If it happened to tip just right it scattered a goodly percentage of the shot so that when it reached its destination there were holes in the pattern large enough to permit the escape of a fairly large bird.

Remington set about to eliminate this top wad and therefore improve patterns.

Borrowing the idea of European cartridge makers who had used a rather expensive brass shell and crimped the mouth completely closed, Remington set to work on the conventional paper tube and finally developed the process of closing the shell mouth without the use of a top wad and at the same time stiffening it sufficiently to prevent the mouth of the shell from opening up in normal handling.

This new Remington shot shell development uses what is known as the "star" crimp in which a six point star is formed on the shell mouth to close the paper tube. This is then crimped rigidly closed and over the top is pasted a thin wax paper seal bearing the load identification.

This paper seal measures but .003 inch thick and thus does not blow off on being fired. It splits in the six points of the crimp thus permitting the shot charge to move freely down the barrel and make an exit without the problem of pushing a card wad out of the way. Remington tests by the thousands indicate that this has completely eliminated the blown pattern in all degrees of chokes.



The new Remington shot shell showing left to right, the star crimp, the folding and ironing operation, and finally the sealing with the wax paper seal. Extreme right, the conventional top wad load for comparison.

In authorizing announcement of this new development, Remington reveals that they will not be able to place this on the market during 1939 in anything other than the popular Skeet and Trap loads. Eventually, in a year or so, they plan to replace the entire line of Remington shot shells with this new crimp.

It looks like the Bridgeport boys have something on the ball here.

(Continued on page 55)

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SKEET

New Ithaca Model 37 Repeating
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THE SHOTGUN TRAINING GROUND

IT is a well known fact that skeet originated from the desire of several upland bird hunters to improve their gun pointing. They tried any given number of flight angles with hand and mechanical traps to perfect themselves—as well as is possible through artificial duplication of real game shooting—in the variety of odd shots which they encountered in quail, woodcock and grouse shooting. Since most of these men were particularly interested in grouse shooting where it is not uncommon for an old biddy to come zooming out of the top of a pine and nearly take your hat off as she zips overhead, it is at least a possible assumption that they included the station eight shot at skeet to get in some practice at this quick and frequently encountered grouse shot. But then there are those who say—and with good reason—that any man who hit a bird at station eight distance would pick up only a few feathers. Even so, the station eight shot, with the actual birds a few yards higher overhead, is one which the gunner meets not only in part-ridge cover but also frequently in the duck blind as well as when crow shooting in low thick cover.

But skeet was a natural for competition so that within a fairly short period of years we were having innumerable interclub shoots, inter-sectional matches, and then national tournaments with the one idea of beating the other fellow. This brought on special skeet equipment in the form of special boring, attachments for control of patterns, and special loads to improve scores. In a very short time the average skeet shooter was thinking a great deal more about beating the man shooting alongside of him than he was as to how skeet was helping him in his gun handling for hunting trips. In fact, from this it might be thought that the original idea of the game was lost in that many men bought special guns for skeet rather than using their field guns. However, although skeet has come into its own as a complete competition sport in itself, it still has a definite relationship to the hunting field, as many men have found out, through skeet, that their special skeet guns actually improved their field shooting.

Because of this we feel that it is high time that the shooting public was reminded of the value which skeet can be to their hunting. Not that the flight of clay target from the high house has the same erratic flight of a woodcock, for this is selfevidently not so. Nor does the clay from the low trap simulate the upward rise of a quail or pheasant. One relationship—and consequent value—comes in the fact that skeet helps any man in his gun handling if he will think about this rather than about how high his score is going to be. Many's the man that we've seen shoot as well as he could until he dropped a couple of birds in one string which would put him out of the running as far as competition went; then he lost interest, started to shoot sloppily. On the other hand, if a man wants to learn how to handle a gun smoothly, fast and mechanically—all accomplishments which will help him during the open hunting season—we believe that by keeping his mind on this objective he can kill more birds next fall. Forget the competitive angle and see why you are dropping a bird now and then. Maybe you're pulling your head up off the stock. Maybe you are stopping the swing of the gun when you cover the bird, instead of leading and following through. Let skeet be your shotgun training school.

For the sake of argument, we'll suppose that

you have just started your shotgun career. The hunting season these days lasts only a month or two in most states for game birds with some states giving a longer season for rabbits. But even so, the point is that if you use a shotgun only during the open hunting season you are going to have only a short time to get into the swing of things. Then just about the time that you really come into good form, you are confronted with the end of the season with a ten-month wait before you can again try to stop a fast flying wingster or a fleet footed rabbit. What more logical answer to the beginner than to visit the local skeet club. We've yet to see a club where a newcomer isn't welcome. More than that, ninety-nine times out of a hundred, he'll also find some congenial souls—more probably several of them—who'll take the time and trouble, and enjoy doing it, to show him a thing or two about shotgun handling. Don't get the idea that because you cannot shoot a consistent twenty-three per round that you should stay away from the local clay-busting set-up. If you are having trouble with crossing shots, go round to the skeet field as regularly as possible and shoot your quota of shells from station two to six. If you are having trouble with incoming ducks, stand out there by the low house and plug away at incomers from the high house until you can blast 'em into dust.

Another good thing about a skeet club for a beginner is the safety factor. Let it be said for all skeet clubs from California to Carolina that by and large they are as safe from shooting accidents as the local kindergarten schoolroom. If you're just starting out with a shotgun, there's no better place for you to get a thorough training on how to carry and where to point a gun, and otherwise conduct your shooting hours safely than at a skeet club. Nearly every club has a good large set of safety rules hung up where you can see 'em. Every club has its watchful members who will see to it that the careless shotgun toter is careless just once. You'll be taught never to point a gun, loaded or unloaded, at any one; that a broken double gun, or a repeater or automatic with the breech open is a safe gun; that you should never put down a loaded gun; and a dozen other safety features that will sink into your gun consciousness so that you'll automatically and unconsciously become a safer shooting companion afield. It's lack of training, lack of appreciation of the danger of a carelessly handled gun, that causes accidents. Good proof of this point is found in the fact that every year thousands of youngsters are taught to handle and shoot rifles on ranges under the watchful eyes of experienced shooters—and never yet has there been an accident on these ranges. Skeet can take the same place in the shotgun fraternity—and it should.

Lest there be some misunderstanding on the part of the competitive shooters who have had the patience to stick with us this far, we want to state very clearly that we are all for competitive shooting. Competition is the life of any game. But maybe we've

been putting too much attention on the competitive features of skeet and not enough attention on the man who wants to improve his hunting score and to learn shotgun lore. There are only a few thousand men in this country who have shot perfect skeet scores; there are only a few more thousands who want to shoot just to see if they can beat the next fellow. But there are hundreds of

By
Hy Gunn

thousands of men who shoot a shotgun in the hunting field and these are the men who should be told that they are welcome at the local skeet club; that they can come to the nearest semi-circle of clay-busters and use the skeet layout as a training ground; that they don't have to put away the old pheasant buster at the end of the season but can keep their eye in trim with an occasional round of skeet from one year's hunting season on to the next.

Westward Ho! for the 1939 National Skeet Tournament Aug. 8-12

WESTWARD HO! is this year's watch word for tournament skeet shooters, for the National Skeet Shooting Association has selected San Francisco as the site for the 1939 national tournament and every shot gun swinger with a drop of competitive blood in his veins will want to be on hand when the opening gun is fired and hostilities get under way. The Pacific Rod and Gun Club, one of the west coast's most active and energetic sportsmen's organizations, will play host to what is believed will be the largest turnout of shooters in the history of national competition. Already plans are under way to increase the club's existing four field layout, bordering the shore of Lake Merced, to eight skeet semi-circles equipped with the most up to date of clay target throwing equipment.

This year's National will be held during the week of August 8th through the 12th, somewhat earlier than previous championship tournaments; it is the belief of the committee that this will permit juniors and sub-juniors to take part without cutting into the beginning of the school term, and that southwestern shooters will be spared any conflict with their popular dove season.

We feel that the choice of San Francisco for the 1939 Nationals is a happy one despite criticism from some eastern shooters that the transcontinental trek is too costly an undertaking. In as much as it is still the policy to hold the national at a different location each year, certainly the west coast deserves equal consideration with other sections of the country. Their interest in and attendance at previous national tournaments and the enthusiasm which has resulted in a rapid growth of the sport locally, indicates that California shooters are fully prepared to stage a national shoot of the highest quality. With a "World's Fair" being held on both the east and west coasts, railroads have pared rates to a minimum so that a trip to California should be no more expensive than the St. Louis or Tulsa tournaments.

Neither can we overlook the extra curricular attractions of a trip to the coast, namely a chance to visit the Golden Gate Exposition and an opportunity to enjoy some of San Francisco Bay's justly famous striped bass and king salmon fishing. As sportsmen we are more than moderately interested in the latter and west coast angling authorities inform us that August is a prime month for angling in the "Bay region." There is also very good black bass fishing in Lake Merced, adjacent to the tournament layout, so that you'd better pack a fly, bait or trolling rod along with your gun case. All in all, it looks like we were in for one of the most auspicious national tournaments in the history of skeet with more activity and interest packed into the second week of August than any other month on the entire sporting calendar.

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by

Edward A. Briggs

THE FEMALE of the SPECIES

FOR MANY YEARS Will Draper has kept beagles. Never an actual kennel, two or three, usually. You see them trotting about the neighborhood; placid, inoffensive little dogs. Or you find them lolling at ease on the Draper porch, or stretched contentedly at Mrs. Draper's feet in the living room. Mrs. Draper is one of those ideal "sportsmen's wives" who seem to find nothing unusual or irksome in their husbands' love of field-sports—dogs included! And certainly the Draper dogs are as inconspicuous as any dogs in the town. Is it barely known that occasionally there is a litter of pure-bred beagle puppies at Will's home, for dispersal, usually, among his hunting friends. But as for sex, the neighbors literally don't know what Will's beagles are.

Young Jack Shane hailed Will Draper one morning at the railroad station. "I'm buying a springer spaniel," said Jack. "Or that is, I want to. My first sporting-dog, you see. I can get a female puppy for twenty dollars. The males are thirty-five; a bit steep for me. Is it true that you prefer female dogs?"

"I most certainly do!" said Will. "And so does Mrs. Draper. We wouldn't keep a male; too much bother. By all means buy your female puppy—provided, of course."

"All aboard!" sang out the conductor. And Will swung up into the smoker, while Jack turned away to his sedan, all smiles and resolution.

SHE WAS a lovely puppy, two months old. Jack's family took her right into their midst. She chewed rugs and slippers, at first; was presently house-broken; romped with the children indoors and out; retrieved a ball as if by instinct; slept in the enclosed porch. Barely six months old when the shooting-season opened, she was already a helpful hunter under Jack's amateur training; more than one big cock-pheasant, more than one cottontail she put up to Jack's gun. Through the winter she completed her growth, developed the quick intelligence, the deep affection of her sex. And always a house-dog, a lawn-dog. The Shanes' property had no fences, no outbuildings except the small garage. Then, in May, when Trixie was about a year old!

Jack's days, of course, were spent at the office; Mrs. Shane had a domestic and social world of her own; the children—were children. The whole family "just didn't notice!" Till a neighbor's dog or two came poking about, rather annoyingly. "Well, yes," said Jack absently, over his evening paper. "I must ask Will Draper about this. And keep Trixie in the house for a few days, my dear. Except for a few minutes, of course. Tell the children."

More dogs, on the lawn, on the porch! And Trixie not quite so obedient when she was taken out; not so willing to return. Then somebody failed to bring her in again. She was gone all that night, and the next day. In late afternoon came a wrathful phone call, from the other side of town. "There's a perfectly awful, disgusting mob of dogs around here, running and fighting; and some body says it's *your dog's* fault, a perfectly awful female dog!" And I've called up the constable and told him he must *shoot* those dogs or something, right away."

A frantic phone call from Mrs. Shane to Jack, and frenzied driving about and searching, and presently poor Trixie was brought home in disgrace. Will Draper was consulted—too late, of course. And Trixie was sent off for another week or two to the veterinarian's, who had plenty of buildings and kennels and fences. She was brought home again, for a few weeks, till her increasing bulk made romping impossible; then she went to the vet's again, her litter of worthless mongrel puppies were promptly destroyed, and at last, nearly three months after that tragic day and night of her "running loose," she was restored to the Shane family, and Jack took up again her training in the field. When the shooting-season was about to open, in November, she was going beautifully a-field. And then—she came in heat again, and spent those autumn days a prisoner at the vet's, while Jack Shane went through the season without a dog!

Jack gave up in disgust—and had Trixie spayed. Now, at four years old, she hunts—or tries to! She has grown fat and gross; diet and exercise can't reduce her. She's sluggish, too; something of fire and spirit is gone forever out of her character.

If Will Draper could only have talked with Jack Shane that morning at the railroad station, the whole wretched business could have been avoided. Trixie could have had the proper treatment from Jack—or from another and a better owner.

The female, says Will Draper, has certain great advantages as a home companion and as a sporting-dog. As a puppy, she can often be purchased much cheaper than the male. Almost certainly she will develop earlier and more rapidly. She will be cleaner, more obedient and more affectionate in the home. She can be given her liberty, without that extended running away which the male dog often practices. Unlike the male, she will not "forget herself" under excitement, such as the presence of guests, and lift her leg against the furniture or curtains; neither will she "sprinkle" the shrubbery and the flower-beds and kill them. She will usually go to work sooner in the field. She will rarely fight or be fought by other dogs, anywhere; and this is a great advantage when she is drawing up on a bird, or running a rabbit, and a big farm cur (almost always a male) comes charging out to chew up the strange

YOU OWE A SCRATCHING



DOG RELIEF

MAKE THIS 25 CENT TEST

A dog doesn't scratch for pleasure. His blood may be badly affected by impurities that set up an intense irritation beneath his skin. He is in torment. He has to scratch to relieve his pain.

Rex Hunter's Tastee-teen Dog Powders in sanitary capsules provide blood tonics and a reconstructive diet for dogs of all breeds, any age. Given regularly on Saturday days, they help to restore the dog to a normal condition due to lack of proper conditioning that cause scratching. In a few days, the dog loses pain, irritation, bad odor, skin irritation, and becomes entirely healthy. The work to make your pet happier, healthier and more contented.

Investigative and easy to administer. **Rex Hunter's Dog Powders** are the only dog food recommended by the English Veterinary Surgeon, are for sale at leading Drug Stores and Pet Shops. They will help you to keep your dog in a quiet life. You may never know how fine your dog can be and I have tried them. Ask for **Rex Hunter's Dog Powders** ... **Keep Your Dog Healthy.**

H. HILGREN & CO., Dept. 828, Binghamton, N. Y.

H. HILGREN & CO., Dept. 828, Binghamton, N. Y.

Keep Your Dogs FREE FROM WORMS

WRITE FOR FREE BOOKLET No. 652

NEMA WORM CAPSULES

EFFECTIVELY REMOVE LARGE
ROUNDWORMS AND HOOKWORMS IN DOGS
OF ALL BREEDS AND ALL AGES. DEPENDABLE

Nema Booklet tells you about worms.

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PARKE, DAVIS & CO., DETROIT, MICH.
Drug Stores Sell Parke-Davis Products



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DOG begs for relief from
Eczema, Itching, Scratching
and skin disorders. Use

VAN-X OINTMENT

the perfect antiseptic—gentleless, stainless, safe.

Assures healthy skin and perfect coat.

EFFECTIVE FOR ALL BREEDS

Money-back Guarantee

Special Offer: 3 tubes for \$1.

TOTUS MFG. CO., Dept. H.H.
119 W. Chelten Ave., Philadelphia, Pa.

LITTLE KNOWN FACTS ABOUT

ARTHRITIS RHEUMATISM

Read a treatise that is informing thousands! A postcard brings you a FREE copy latest 1939 edition "Arthritis and Rheumatism"—wested and postpaid. Address the author—Dr. R. H. Hallowell, Ph.D., 1959-1 St., Hallowell, Maine.

Fistula Sufferers Face Danger

One of the tragic results of neglected fistula is loss of bowel control together with nervous diseases and general ill health caused by self poisoning. Thornton & Minor could save many lives from unnecessary suffering by giving proper treatment in time. The Thornton & Minor Clinic is a known royal institution in the world—offers a FREE Book which explains fistula and other rectal diseases. Send money order \$1.00 and you will have benefited by their mild, corrective institutional treatment—without hospital confinement. Write for this Free Book and Reference List. Address Thornton & Minor Clinic, Suite 940, 920 McGee St., Kansas City, Mo.

sporting-dog. Finally, if she proves a really good field-dog, it is an easy matter to send her to a good stud, keep one or more of her puppies to hunt with her and take her place as she ages, and make a neat profit on the remainder of the litter. Will Draper has bred his own beagles for four generations, seventeen years, and kept his strain the best obtainable!

But, says Will, *do not buy a female unless you are capable of noting when she comes in heat, and of carefully confining her for three weeks.* This need not be in an iron-barred prison cell on the second floor. Will's two or three beagles—all females—sleep in boxes in an enclosed porch at the rear of the house, often in the house, and usually run about outdoors at will. But outside this porch, on the back lawn, is a neat, high-fenced kennel-yard, twenty by forty feet. From the day a bitch shows the first sign, she has access to this kennel-yard, but *never for one moment to the open lawn.* Hence she never urinates on the lawn or about the neighborhood (the infallible "come hither" signal for the roving male) and the male dogs drift by, even right up to the kennel fence on occasion, without learning the seductive secret. If you cannot build a kennel-yard, you can keep the bitch strictly within a building, such as a garage, during her period. Or you can arrange a corner in the cellar or basement of your house, with ashes or sawdust, where she will readily learn to relieve herself without going outdoors.

And finally, says Will, *don't buy a female if you must count on her as your only available sporting dog, every shooting-season.* Some bitches come in heat regularly every six months; most of them at longer intervals such as eight months. Rarely is a female in heat during two successive shooting-seasons. To be sure of a shooting-dog, you can keep two bitches!

The female of the species? Why, of course she's more desirable than the male; provided, of course, that we're capable of appreciating quality, and of giving it the slight extra care which it deserves!

NEXT MONTH

Be sure to read our big June issue, filled with authentic stories and departmental material.

CORRESPONDENTS WANTED

Editor, Hunting & Fishing:—It is a pleasure to be able to tell you that some days ago I happened to read one of your magazines, and it was enough for me to order immediately a one year subscription through The Mayfair Agency of New York, as I think that yours is one of the finest sport magazines published in the States.

I would be very grateful to you if you could get some of your readers (one of them) to enter into correspondence with me, as I would very much like to have a friend in the States, who is as enthusiastic as I am on fishing, hunting, canoeing, dogs, guns, camping, etc.

For your guidance, I want to tell you that I am 24 years of age, married, born in Chile, and that I take every opportunity either to hunt or fish.

Thank you beforehand for your kind attention in this matter.—Andreas V. Dohren, Casilla 583, Valparaiso, Chile.

We felt that the best way to comply with Reader Dohren's request was to publish his friendly letter. Undoubtedly, American sportsmen desiring to write to him can enjoy a mighty interesting correspondence with this South American neighbor.—Editor.

I TRIED THIS NUDIST STUFF!



They clipped me once, just once! What a treat — for flies and fleas! Then the Boss read Albert Payson Terhune's article in the new Sergeant's DOG BOOK; and my nudist days are over!



The Boss learned plenty from the DOG BOOK. All about training and feeding me. How to tell when I'm sick and what to do about it. It's important for every dog's master! Get it free at a drug or pet store — or mail this coupon.

Sergeant's

DOG MEDICINES



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Dept. SF-5, Richmond, Va.

Please send a free Sergeant's DOG BOOK to:

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Address _____

City _____ State _____

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Target—Small
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Guaranteed—Accurate—Practical—Economical—Safe—Clean—Quiet—
Maximum Velocity—No Smoke or Fumes.
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.22 Caliber—.22 Long—.22 Short—.22 Long Rifle—.22 W-B-Shot \$18.00, Boloer \$2.00.
Also a complete line of Benjamin Genuine
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The PERFECT COAT that comes from feeding



In hundreds of unsolicited letters from dog owners, 85% mention improved glossy coat and freedom from skin disorders. At the top of the list of benefits noted in their dogs after changing to Hunt Club feeding

Easily Explained!

Most cases of eczema and other itchy skin disorders come from malnutrition. A change to Hunt Club's nutritive completeness causes these signs of deficiency to disappear quickly. Most economical, too—2¢ to 5¢ for a full day's feeding, depending on breed of dog. Ask your grocer or feed store for Hunt Club. Maritime Milling Co., Inc., Buffalo, N. Y.

ARMS & AMMUNITION

(Continued from page 49)

News of the Day

LOTS OF NEW STUFF to look over this month. For the shotgun man the first item of interest is the new Ithaca Model 37 20 ga. Featherlight pump repeater. Ithaca is in production on these and will soon be ready to take care of orders. This rounds out their Model 37 line to cover the 12, 16 and 20 ga. sizes.

The chief item of interest in this new Ithaca is the weight, advertised as running about 5 1/2 pounds. No gun maker can guarantee weight due to the difference in density of wood but Ithaca is playing safe with their weight announcement. The job I have been using for the past several months runs 5 pounds, 10 ounces, and is 5-shot capacity at that. It is, of course, furnished with a plug to change the magazine to 3-shot conforming with Federal Laws for migratory birds.

This 20 ga. is available in 3 models—the Standard Grade for field use, with 26" and 28" barrels; Skeet Grade (see illustration on page 50 for Skeet and game, same barrel length but equipped with Ithaca's exclusive ventilated rib and large Skeet type forestock, running weight up to 6 1/2 pounds; the Trap Grade also with 26" and 28" barrels, rib recoil pad, and selected wood in the stock with larger trap forestock, including elaborate high grade hand checking—weight of about 6 1/2 pounds.

Naturally, the Standard Grade will be the best seller. This is neatly decorated with game scenes on both sides of the receiver and is quickly taken down, has an extremely short and smooth pump action stroke. Ithaca announces that the handy cross-bolt safety will be furnished in reverse for left-handed shooters on order.

Stock is checked as the forestock, pistol grip has standard grip cap. The receiver is of the solid top and side variety with bottom ejection so that no escaping gas can get in the shooter's face. This also keeps dust, dirt and rain from falling into the action.

For the man who wants a light pump gun in 20 ga., this is the answer. Lou Smith of Ithaca, in showing me this gun last summer when it was in the handmade pilot stage, told me their mail is continually requesting lighter and still lighter guns for field use. They have made this gun light without sacrificing safety as every gun is proof tested with the standard 7 1/2 tons pressure proof cartridge.

A LETTER from T. L. Luce, new General Manager of Harrington & Richardson Arms Co. reports that the firm was completely reorganized November 25, 1938 with new officials and a complete change of management. He reports that Clarence C. Dodge, Treasurer and general manager of the George L. Blake Co. was elected president, Robert Nelson, treasurer of the Arcade Marble-Iron Co. and Ralph Brooks of the same company became directors. Mr. Luce is general manager in complete charge of the factory with Clifton J. White appointed as sales manager.

When you write this department for information be sure that your name and address is clearly and accurately written. You'll get a reply promptly.

Please enclose a stamp.

This Valuable Book . . . FREE!

for Answering These Questions

Help us and we'll help you. To the sportsmen who give us complete answers to the questions listed below by May 15th, 1939 we will send this new book "200 THINGS SPORTSMEN SHOULD KNOW."

Your answers will be kept strictly confidential. No use of your name will be made. No salesman will call on you. The information you give us is for use only in arriving at statistical averages for all of the readers of HUNTING & FISHING.

To qualify to receive FREE BOOK, envelope must be addressed

RESEARCH DEPARTMENT, Hunting & Fishing, 275 Newbury St., Boston, Mass.

Using a soft pencil, fill in the form below as accurately as possible.

Cut off here and mail today

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Do you subscribe to HUNTING & FISHING? Buy it on News Stands?

List other Sports Magazines you now subscribe to Others bought occasionally

List General Magazines you subscribe to Others bought occasionally

Do you read sports magazines with greater enthusiasm than general magazines? How many people beside yourself read your copy of HUNTING & FISHING?

Please list below (yourself first) all persons living with you in your home; such as husband, wife, son, daughter, uncle, etc. Which One Purchased Magazine Age Occupation Now Employed (Yes) (No) Yearly Income

1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$.....

HOME

Check which you live in; single family dwelling apartment other

Do you own a camp, cabin, or summer home? Its value \$.....

AUTOMOTIVE

If you own a car, what is its make? Year Mfg? Bought New? Used? Total Miles Driven? Average Miles Yearly?

If you own a second car, what is its make? Year Mfg?

Bought New? Used? Total Miles Driven? Average Miles Yearly?

About how many miles do you drive your cars fishing, hunting and camping in a year?

How many years do you drive a car before replacing? Do you believe that certain brands of gasoline offer you added mileage? Do you regularly buy Ethyl Gasoline?

Are you planning to purchase a new car within the next year? two years?

Do you own a trailer? Cost \$.....

SPORTS EQUIPMENT OWNED

Equipment	How Many?	Cost	Equipment	How Many?	Cost
Shot Guns	\$.	Tents	\$.	.....
Rifles	\$.	Skis	\$.	.....
Pistols	\$.	Snowshoes	\$.	.....
Gun Cabinets	\$.	Chest High Waders	\$.	.....
Fish Rods	\$.	Wading Shoes	\$.	.....
Reels	\$.	Hip Boots	\$.	.....
Still Cameras	\$.	All Rubber Hunting Boots	\$.	.....
Movie Cameras	\$.	High-top Leather Boots	\$.	.....
Outboard Motor	\$.	Low-top Leather Boots	\$.	.....
Yacht	\$.	Leather-top Rubbers	\$.	.....
Motor Boat	\$.	Moccasin Sole Boots	\$.	.....
Sail Boat	\$.	Sneakers	\$.	.....
Row Boat	\$.	Other Sports Garments	\$.	.....
Canoe	\$.	Value all other Sports Equipment	\$.	.....

How many flashlight batteries do you buy each year?

How many dogs do you own?

Do you buy non-resident hunting licenses? States?

Non-resident fishing licenses? States?

Check if you have a home work shop Value of tools and equipment \$.....

Name of Best Sporting Goods Store in your locality.

Address City & State

Continued on next page

Additional Classified Advertising Continued from Page 54

BOAT Blueprint and full size patterns. Many designs. Catalog 18¢ (post). Cleveland Boat Blueprint Co., Sts-1810-1820, Cleveland, Ohio.

GLOVE for your own deskings. U. K. Wood, Mfg., Johnstown, N. Y.

CANADIAN Tax Sale Lands for a dollar an acre and up. Hunting, fishing, camps. See advertisement page 27 Tax Sale Service, 72 Queen Street West, Toronto, Canada.

CATALOG OF Bargains, nearly 2000 farms, country houses, shacks, tracts, unclaimed. Free. Street Royal, 255-16th Ave., New York City.

OKLAHOMA—10 acres. White River frontage; unimproved; \$150. \$5 down, \$5 monthly. Free list and literature. Hubbard, 258 Grosvenor Blvd., Kansas City, Kansas.

BUILD electric plant for your cabin. Operate with your complete plans and valuable catalog 10c. Delay Manufacturing Co., 721 Locust Street, Lincoln, Minn.

TOBACCO? Chewing and Chewing or Mallow Smoking, 12 pounds \$1.00. Willis Farms, Fulton, Kentucky.

FOREST JOBS available \$125-\$175 month. Cabin, hunt, trap, patrol. Qualify immediately. Write Rayon Service, D-85, Denver, Colo.

PROPERTY famous formulas for the sportsman. The chance of a lifetime to learn the inside secrets of the sporting world. Only \$1.00. Midwest Sportsman, Box 371, Mattoon, Illinois.

SLEEPING BAG Bargains—Save 40% by mail! \$57.50 Down Bag, only \$21.50. \$17.50 Wool Bag, only \$10.95. Write for free circular. Alaska Sleeping Bag Co., 1111 N. 10th Street, Portland, Oregon.

WANTED—Original poems, songs, for immediate consideration. Send poems to Canadian Music Publishers, Ltd., Dept. 187, Toronto, Canada.

OLY. Painting of your dog made from favorite photo. Cost from \$20.00 up. Helen Williams Studio, 239 Eason, Detroit, Michigan.

FLORIDA Tax Deed Lands, \$6.00 acre up. Terms, payment, location, fruit growing, fine hunting, fishing. Well located. Florida Tax Deed Service, 8002 Nebraska, Tampa, Florida.

SPLENDID Opportunity collecting reptiles, frogs, toads for us. Our instructions make collecting easy. Contracts and payment on time. Biological Research Laboratories, Dept. H-31, Springfield, Massachusetts.

GUARANTEED Chewing pipe or cigarette, five pounds \$1.00; ten, \$1.75. Box cigars and pipe free. Pay when received. Carlton Farms, D-24, Paducah, Ky.

TELESCOPES, microscopes, binoculars: 1939 bargain Catalog free. Brownscope Company, 5 West 27th Street, New York City.

BIG Kayak Values, 12" Kit, \$10.00; others. Request Literature. Playaks, Des Moines, Iowa.

Lakers on Top

We have never found out definitely whether lake trout come up to the top before the ice breaks up in the spring or just as the ice breaks up. In any event, wherever lakers are to be found it is fun to take them on light tackle along about now. Usually they stay within reach for about two weeks after the last ice has gone and they will strike at artificials without hesitation as they always seem to be on the feed.

Several times in the last few seasons this writer has journeyed to Hudson, Ontario, for the spring laker fishing and we have caught dozens of fish weighing from 10 to 20 pounds on a regulation bass fly rod with a bass fly and spinner for bait. The fish are "followers" and the spinner should be watched constantly or it is entirely possible that strikes will be missed. The lakers come up behind the lure, open their mouths and suck it in. They also blow it right out again without the angler feeling them and for this reason the glitter of the spinner must be used as an indicator. When it stops glittering, strike. Even large lake trout, because of the color of their backs, are extremely hard to see when looking down on them from a canoe or a rowboat.

When lake trout are near the surface they are quite timid, at least in the spring. During spawning in the fall they pay little attention to clattering oar locks or movements over their heads but for the early fishing quietness is necessary. If a laker is following the lure and is frightened by either noise or motion, he will turn away and he won't come back.

Two Whole Years of Good Sport

24 Big Issues for Only \$1.00

HUNTING, FISHING, CAMPING, SKEET SHOOTING, DOGS, GOOD STORIES, PICTURES, AND VALUABLE INFORMATION

Best Magazine published for Sportsmen. Send your order today.

May, 1939

SUBSCRIPTION ORDER BLANK

HUNTING & FISHING, 275 NEWBURY STREET, BOSTON, MASS. Enclosed find my \$1.00, for which please send me HUNTING & FISHING FOR TWO YEARS commencing with your next issue.

Name.....

Street and Number.....

City or Town.....

(Continued from preceding page)

ACTIVITY

How many miles do you have to travel to fish?..... How many times a year do you go fishing?..... What type? Fly fishing Plug casting Trolling Salt water How many miles do you have to travel to hunt?..... How many times a year do you go hunting?..... For what kind of game?..... Do you indulge in shooting competition? Skeet Trap Rifle Pistol How many times in a year?..... Boxes of shells consumed per year, Shotgun Rifle How many days a year do you spend on: Fishing Trips?..... Hunting Trips?..... What are your favorite outdoor sports? In order of preference (1). (2)..... (3)..... (4)..... Check if you take a camera on all hunting and fishing trips enlarge your own photographs what films do you use?....., how many rolls each year?..... Do you or members of your family belong to a private Golf or Country Club Yacht-Boat Club Rod, Gun, Hunt Club Business Club Other Clubs

TRAVEL & VACATION

Do you travel on business? How many times a year?..... Do you take a vacation every year?..... Summer Winter Spring or Fall What is the average distance traveled per trip?..... per year..... What mode of transportation do you use? R.R. Coaches Pullman Airlines Buses Your Car Ever take a winter cruise? Ever been to Europe on pleasure? On business? On the average, how much do you spend for your vacation, per person in party? \$..... Which pastimes, features, amusements, etc. have a deciding influence on your decision where to take your vacation?..... In what state or country is your favorite hunting or fishing spot?.....

TOBACCO—LIQUORS

Do you smoke CIGARETTES? (brand)..... packages per week?..... CIGARS? (brand)..... cigars per week?..... How much do you pay per cigar?..... PIPE? How many ounces of tobacco per week?..... How much do you pay for a new pipe? \$..... How many pipes do you own?..... Do you order liquor by brand names?..... Serve drinks to guests in home?..... Indicate average amount consumed by your family per month and brand preferences.

Quarts per month	Brand Preference	Quarts per month	Brand Preference
Bear		Irish Whiskey	
Scotch Whiskey		Gin	
Rye Whiskey		Rum	
Bourbon Whiskey		Miscellaneous	

MEDICINE CHEST

Do you shave?..... Every day Every other day Less frequently Name BRANDS of products used in shaving; Safety Razor Electric Razor Shaving Cream How many razor blades do you use weekly?..... Brand Do you carry on fishing and hunting trips, Vicks VapoRub? Absorbine? Musterole?

INSURANCE

How much life insurance do you carry? \$..... Sport Equipment Insurance \$.....

We again guarantee that any information you are kind enough to give us about yourself will be kept strictly confidential, and will only be used to secure averages of all our readers.

Print Name..... St. & No.

City..... State.....

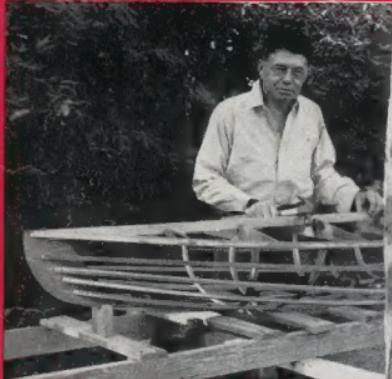
Occupation, Business Connection, Title.....

To qualify to receive valuable book, you must address envelope to—

RESEARCH DEPARTMENT, Hunting & Fishing, 275 Newbury St., Boston, Mass.

BIG MONEY! ASSEMBLING THE NEW PORTABLE MEAD KI-YAKS

In a Few Days at Home with Simple Hand Tools Without Any Experience!



"Perfect as a Factory Job! —and THE FIRST BOAT I'VE BUILT!"

—says Ralph Williams of Pecos, Texas

Even though YOU never built a boat—ever—why not be sure to see Mr. Williams' letter? He built your 16 foot CK-3 KI-YAK KIT over a year ago, and he's still using it today, before the boat was completed, I ordered the sail rig. When the KI-YAK was finished, looking over the boat, he said, "I think my friends are perfect as a factory job, and

this is the first boat I've built! While the KI-YAK moves along wonderfully, it's a pleasure to sail, and it's a thrill riding the waves in a West Texas high wind. I've had a couple of pictures taken in this new, low-cost, entirely different boat, and I'd like to have you to ENJOY! Get started now! Remember,

you can save 1/2...and..MEAD'S NEW PATENTED Type

of Construction Guarantees an Easy, Economical, Perfect Job!

Yes, you can assemble your own beautiful, portable MEAD KI-YAK in a few days at home from our PATENTED Cut-To-Fit Construction Kit...and save nearly half the factory assembled cost! Thousands of thousands of KI-YAKs have been assembled successfully. Almost anyone can build it, selling to others, too. It's a wonderful, quick assembly guarantee. All parts match—ALUMINUM like nothing else. POLYESTER fabric is so light, it won't damage your boat. It's so strong, it won't break. It's so flexible, it won't tear. It's so safe to attach! Wooden parts can't be shaped. So easy, 10 and 12-year-olds have done fine jobs. And you can even build it in a few evenings of easy, fascinating assembly—and your beautiful, new Mead KI-YAK is yours to use for the adventure trail!

Think of the fun, thrills and satisfaction you'll have taking your strong, feather-light "Mead" with you, by land or water, for picnics, camping, fishing, hunting, racing, or just for fun. You can't beat the price. Mead is safe. Remarkable! Lookaround. DURABLE. INEXPENSIVE. Thousands of thousands of "Mead" boats and sailboats are safe. Remarkable! Lookaround. DURABLE. INEXPENSIVE. Thousands of thousands of "Mead" boats and sailboats

DON'T MISS OUT ON THIS FUN!

Your Construction Kit includes everything at home—then a few evenings of easy, fascinating assembly—and your beautiful, new Mead KI-YAK is yours to use for the adventure trail!

Think of the fun, thrills and satisfaction you'll have taking your strong, feather-light "Mead" with you, by land or water, for picnics, camping, fishing, hunting, racing, or just for fun. You can't beat the price. Mead is safe. Remarkable! Lookaround. DURABLE. INEXPENSIVE. Thousands of thousands of "Mead" boats and sailboats

FACTORY-TO-YOU AT FACTORY-PRICES!

You save two ways when you buy a complete Mead KI-YAK. First, because we sell directly to you—so you don't pay the middleman's price. Second, because you assemble it yourself (and ANYONE can do it). Send the coupon and the price is yours to keep.

The "A MEAD FOR EVERY BODY!"

Padde-and-sail models. The long "CK-1," 10 foot, 20 pound.

The "Sportman," CR-21. The "Big" boat CR-3" with 80 square

feet of sail on 45 pounds of boat—the sailor's delight! Then there's the "Gliders," 15 foot, 30 pound, with 60 square feet of sail. A motor—cars, sailboats, canoes, rowboats, can be had. REMEMBER—Mead is "America's largest KI-YAK KIT MANUFACTURER." Order your KI-YAK from HEADQUARTERS. Rush coupon and direct your inquiry to:

Pair of OARS
or Double Blade Paddle
GIVEN
with your
Ki-Yak
hurry!



Remember!

IF IT ISN'T A MEAD—it ISN'T A KI-YAK!

MEAD GLIDERS
15 S. MARKET ST. CHICAGO, U.S.A.

DSPT. F-59

Abre photographs show Mr. Williams' CK-3 under construction, and sailing. Note how the formed-to-shape aluminum ribs can easily, PATENTED, be bent into the exact shape required. You can, too. Make your own boat, too. Build it easily, inexpensively you, too, can own, assemble and enjoy a Mead KI-YAK!



MAIL
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NOW!

MEAD GLIDERS, 15 S. Market
Dept. J-59, Chicago 6, Ill.

I enclose 10¢ as postage-handling charge. Please rush me your new, illustrated KI-YAK Boat Circular, Money-Making Plan, Low-Introductory Factory-To-You Prices and Special GIFT "Oars or Paddle" Offer! (Please PRINT plainly.)

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City. State.

• WITNESSED STATEMENT SERIES:

The Cream of 21 Crops

GEORGE LOVE, tobacco auctioneer, has seen Luckies buy the Cream of every Crop. "So Luckies," he says, "have been my favorite for 21 years." Most independent tobacco experts smoke Luckies.

Have you tried
a Lucky lately?

TOBACCO crops in the last few years have been outstanding in quality. New methods, developed by the United States Government and the States, have helped the farmer grow finer tobacco. As independent experts like George Love point

out, Luckies have always bought the cream of the crop. Thoroughly aged, these fine tobaccos are now ready for your enjoyment. And so Luckies are better than ever. Have you tried a Lucky lately? Try them for a week. Then you'll know why

LUCKY
STRIKE

CIGARETTES

Easy on Your Throat—
Because "IT'S TOASTED"

... WITH MEN WHO KNOW TOBACCO BEST—IT'S LUCKIES 2 TO 1